

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

Prelim.P14\_M3

**C Number:** C20303  
**Lock Date:** 05/19/2008  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.3.1  
**PWG Approval Date:** NONE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: Control

DISP: Natural Death

HISTO: 53919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                      |                        |                         |
|---------------------------|----------------------|------------------------|-------------------------|
| * Adrenal Cortex          | * Adrenal Medulla    | * Bone                 | * Bone Marrow           |
| * Brain                   | * Esophagus          | * Eye                  | * Harderian Gland       |
| * Heart                   | * Islets, Pancreatic | * Larynx               | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal | * Nose               | * Pancreas             | * Pituitary Gland       |
| * Preputial Gland         | * Prostate           | * Salivary Glands      | * Seminal Vesicle       |
| * Skin                    | * Spleen             | * Stomach, Forestomach | * Testes                |
| * Thymus                  | * Thyroid Gland      | * Trachea              | * Urinary Bladder       |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Gallbladder            | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum |                           |                             |

OBSERVATIONS

- |   |                          |                                     |
|---|--------------------------|-------------------------------------|
| * Epididymis  | Inflammation             | Chronic, Mild                       |
| * Intestine Large, Cecum<br>[ Carcinoma TGLs = 3-7 ]    | Carcinoma                |                                     |
| * Kidney  | Nephropathy              | Minimal                             |
| * Liver<br>[ Hepatocellular Carcinoma TGLs = 1,2-6+12 ] | Hepatocellular Carcinoma | Multiple                            |
| * Lung  | Hepatocellular Carcinoma | Metastatic (Liver)                  |
| * Lymph Node, Mesenteric                                | Carcinoma                | Metastatic (Intestine Large, Cecum) |
| * Stomach, Glandular                                    | Necrosis                 | Minimal                             |

PRIMARY CAUSE OF DEATH - Intestine Large, Cecum Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 589

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |          |  |                               |                    |
|----------|--|-------------------------------|--------------------|
| * Heart  |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Kidney |  | Hydronephrosis                | Mild               |
|          |  | Nephropathy                   | Moderate           |
|          | [ Hydronephrosis TGLs = 5-6 ]                |                               |                    |
| * Liver  |  | Eosinophilic Focus            |                    |
|          |  | Hepatocellular Carcinoma      |                    |
|          | [ Eosinophilic Focus TGLs = 7-5 ]            |                               |                    |
|          | [ Hepatocellular Carcinoma TGLs = 4-13 ]     |                               |                    |
| * Lung   |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
|          | [ Hepatocellular Carcinoma TGLs = 3,6-4+12 ] |                               |                    |
| * Nose   | Respirat Epith                               | Accumulation, Hyaline Droplet | Minimal            |
| * Skin   |  | Necrosis                      | Mild               |
|          | [ Necrosis TGLs = 1-12 ]                     |                               |                    |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

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Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |          |  |          |
|----------|--|----------|
| * Kidney | Nephropathy                                    | Mild     |
| * Liver  | Eosinophilic Focus                             |          |
|          | Hepatocellular Adenoma                         | Multiple |
|          | Hepatocellular Carcinoma                       |          |
|          | [ Hepatocellular Adenoma TGLs = 3-5+15 ]       |          |
|          | [ Hepatocellular Carcinoma TGLs = 4-5+14 ]     |          |
| * Lung   | Alveolar/Bronchiolar Adenoma                   |          |
|          | Alveolar/Bronchiolar Carcinoma                 |          |
|          | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-13 ] |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 535

DOSE: Control

DISP: Natural Death

HISTO: 53922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Epididymis
- [ Spermatocele TGLs = 4-8 ]
- \* Larynx
- \* Liver
- [ Hepatocellular Adenoma TGLs = 2-5 ]
- \* Nose
- \* Stomach, Glandular
- Respirat Epith
- Hypertrophy
- Spermatocele
- Foreign Body
- Fatty Change
- Hepatocellular Adenoma
- Hyperplasia
- Necrosis
- Minimal
- Minimal
- Mild
- Minimal
- Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

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First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Mesenteric   | * Pancreas                |
| * Pituitary Gland           | * Preputial Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Spleen                   | * Stomach, Glandular      |
| * Testes                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- |                 |                         |                          |                           |
|-----------------|-------------------------|--------------------------|---------------------------|
| * Gallbladder   | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Mammary Gland | * Parathyroid Gland     | * Thymus                 |                           |

OBSERVATIONS

- |                        |   |                          |                         |
|------------------------|---|--------------------------|-------------------------|
| * Adrenal Cortex       |   | Hypertrophy              | Minimal                 |
| * Kidney               |   | Nephropathy              | Minimal                 |
| * Liver                |   | Hepatocellular Adenoma   | Multiple                |
|                        |   | Hepatocellular Carcinoma |                         |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,3,4-5+6+12+13 ] |                          |                         |
|                        | [ Hepatocellular Carcinoma TGLs = 5-14 ]            |                          |                         |
| * Nose                 | Respirat Epith                                      | Hyperplasia              | Minimal                 |
|                        | Olfactory Epi                                       | Metaplasia               | Respiratory, Minimal    |
|                        | Olfactory Epi                                       | Necrosis                 | Mild                    |
| * Stomach, Forestomach |   | Hyperplasia              | Squamous, Mild          |
|                        |   | Inflammation             | Chronic Active, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

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Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Pancreas                 | * Pituitary Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                   |                                  |                               |                          |
|-------------------|----------------------------------|-------------------------------|--------------------------|
| * Kidney          |                                  | Nephropathy                   | Mild                     |
| * Liver           |                                  | Clear Cell Focus              |                          |
|                   |                                  | Mixed Cell Focus              |                          |
|                   | [ Mixed Cell Focus TGLs = 2-12 ] |                               |                          |
| * Nose            | Respirat Epith                   | Accumulation, Hyaline Droplet | Mild                     |
|                   | Respirat Epith                   | Hyperplasia                   | Minimal                  |
| * Preputial Gland |                                  | Inflammation                  | Chronic Active, Moderate |
| * Spleen          |                                  | Hyperplasia                   | Lymphoid, Moderate       |
|                   | [ Hyperplasia TGLs = 1-12 ]      |                               |                          |
| * Testes          | Interstit Cell                   | Adenoma                       |                          |
| Tooth             |                                  | Dysplasia                     | Marked                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                   |   |                                |                      |
|-------------------|---|--------------------------------|----------------------|
| * Adrenal Cortex  |   | Hyperplasia                    | Minimal              |
|                   |   | Hypertrophy                    | Minimal              |
| * Kidney          |   | Nephropathy                    | Mild                 |
| * Liver           |   | Hepatoblastoma                 |                      |
|                   | [ Hepatoblastoma TGLs = 2-13 ]                |                                |                      |
| * Lung            |   | Alveolar/Bronchiolar Adenoma   |                      |
|                   |   | Alveolar/Bronchiolar Carcinoma |                      |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ] |                                |                      |
| Mesentery         | Fat   | Necrosis                       | Moderate             |
|                   | [ Necrosis TGLs = 3-13 ]                      |                                |                      |
| * Preputial Gland |   | Inflammation                   | Chronic Active, Mild |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: Control

DISP: Natural Death

HISTO: 53926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                          |
|---------------------------|-----------------------------|---------------------------|--------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow             | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                     | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Islets, Pancreatic     |
| * Larynx                  | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Pancreas                | * Pituitary Gland           | * Preputial Gland         | * Prostate               |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                    | * Spleen                 |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                  | * Thyroid Gland          |
| * Trachea                 | * Urinary Bladder           |                           |                          |

MISSING

- |                         |                 |                     |          |
|-------------------------|-----------------|---------------------|----------|
| * Lymph Node, Bronchial | * Mammary Gland | * Parathyroid Gland | * Thymus |
|-------------------------|-----------------|---------------------|----------|

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |                  |  |                               |                    |
|------------------|--|-------------------------------|--------------------|
| * Adrenal Cortex |  | Hyperplasia                   | Mild               |
| * Kidney         |  | Nephropathy                   | Mild               |
| * Liver          |  | Hepatocellular Adenoma        | Multiple           |
|                  |  | Hepatocellular Carcinoma      | Multiple           |
|                  | [ Hepatocellular Adenoma TGLs = 1,4-5+6 ]    |                               |                    |
|                  | [ Hepatocellular Carcinoma TGLs = 2,3-6+12 ] |                               |                    |
| * Lung           |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose           | Respirat Epith                               | Accumulation, Hyaline Droplet | Minimal            |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Liver                  | * Lymph Node, Bronchial    | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          | * Preputial Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                         |                |                               |         |
|-------------------------|----------------|-------------------------------|---------|
| * Adrenal Cortex        |                | Hypertrophy                   | Mild    |
| * Harderian Gland       |                | Adenoma                       |         |
| [ Adenoma TGLs = 1-15 ] |                |                               |         |
| * Kidney                |                | Nephropathy                   | Minimal |
| * Lung                  |                | Alveolar/Bronchiolar Adenoma  |         |
| * Nose                  | Respirat Epith | Accumulation, Hyaline Droplet | Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 550

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                         |                 |
|-------------------------|-----------------|
| * Lymph Node, Bronchial | * Mammary Gland |
|-------------------------|-----------------|

OBSERVATIONS

- |          |  |                               |                      |
|----------|--|-------------------------------|----------------------|
| * Heart  |  | Cardiomyopathy                | Minimal              |
| * Kidney |  | Nephropathy                   | Moderate             |
| * Liver  |  | Hepatocellular Carcinoma      | Multiple             |
|          | [ Hepatocellular Carcinoma TGLs = 1,2-6+12 ] |                               |                      |
| * Nose   | Respirat Epith                               | Accumulation, Hyaline Droplet | Minimal              |
|          | Olfactory Epi                                | Metaplasia                    | Respiratory, Minimal |
| * Thymus |  | Cyst                          | Mild                 |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Heart
  - Cardiomyopathy Minimal
- \* Kidney
  - Nephropathy Minimal
- \* Liver
  - Hepatocellular Adenoma Multiple
  - Hepatocellular Carcinoma Multiple
- \* Lung
  - [ Hepatocellular Adenoma TGLs = 5,7-14+15 ]
  - [ Hepatocellular Carcinoma TGLs = 4,6-12+13 ]
  - Alveolar/Bronchiolar Carcinoma
    - Alveolus Infiltration Cellular Histiocyte, Minimal
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4 ]
- \* Nose
  - Foreign Body
  - Hyperplasia Minimal
  - Inflammation Suppurative, Minimal
  - Metaplasia Respiratory, Minimal
  - Necrosis Minimal
- \* Skin
  - Olfactory Epi
  - Olfactory Epi
  - Keratoacanthoma
    - [ Keratoacanthoma TGLs = 1-14 ]
- \* Stomach, Forestomach
  - Hyperplasia Squamous, Mild
  - Necrosis Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53929

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Hyperplasia TGLs = 8-9 ]

\* Testes

Hemangioma

[ Hemangioma TGLs = 3-8 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 596

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |               |  |                          |                     |
|---------------|--|--------------------------|---------------------|
| * Bone Marrow |  | Hemangiosarcoma          | Metastatic (Spleen) |
| * Kidney      |  | Hemangiosarcoma          | Metastatic (Spleen) |
|               |  | Nephropathy              | Mild                |
|               | [ Hemangiosarcoma TGLs = 12-6 ]              |                          |                     |
| * Liver       |  | Eosinophilic Focus       |                     |
|               |  | Hemangiosarcoma          | Metastatic (Spleen) |
|               |  | Hepatocellular Adenoma   |                     |
|               |  | Hepatocellular Carcinoma | Multiple            |
|               |  | Necrosis                 | Moderate            |
|               | [ Eosinophilic Focus TGLs = 7-15 ]           |                          |                     |
|               | [ Hemangiosarcoma TGLs = 10-12 ]             |                          |                     |
|               | [ Hepatocellular Adenoma TGLs = 6-14 ]       |                          |                     |
|               | [ Hepatocellular Carcinoma TGLs = 8,9-5+13 ] |                          |                     |
|               | [ Necrosis TGLs = 13-5 ]                     |                          |                     |
| * Lung        |  | Hemangiosarcoma          | Metastatic (Spleen) |
|               |  | Hemorrhage               | Moderate            |
|               |  | Hepatocellular Carcinoma | Metastatic (Liver)  |
|               | [ Hemorrhage TGLs = 5-4 ]                    |                          |                     |
| * Nose        | Respirat Epith                               | Hyperplasia              | Minimal             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 596

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53930

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ORGAN AND ACCOUNTABLE SITE STATUS

---

Skeletal Muscle

Hemangiosarcoma

Metastatic (Spleen)

[ Hemangiosarcoma TGLs = 3,11-14+15+16 ]

\* Spleen

Hemangiosarcoma

[ Hemangiosarcoma TGLs = 2-5 ]

---

PRIMARY CAUSE OF DEATH

- Spleen Hemangiosarcoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow             | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                     | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Bronchial     | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   |
| * Pancreas                | * Pituitary Gland           | * Preputial Gland         | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                    | * Spleen                   |
| * Stomach, Forestomach    | * Testes                    | * Thymus                  | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                           |                            |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                      |   |                               |                      |
|----------------------|---|-------------------------------|----------------------|
| * Adrenal Cortex     | Subcapsular   | Adenoma                       |                      |
|                      |   | Hyperplasia                   | Mild                 |
| * Islets, Pancreatic |   | Hyperplasia                   | Mild                 |
| * Kidney             |   | Nephropathy                   | Mild                 |
| * Larynx             |   | Inflammation                  | Chronic Active, Mild |
| * Liver              |   | Clear Cell Focus              |                      |
|                      |   | Hepatocellular Adenoma        | Multiple             |
|                      | [ Clear Cell Focus TGLs = 5-5 ]                         |                               |                      |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,3,4,6-13+14+15+16 ] |                               |                      |
| * Nose               | Respirat Epith  | Accumulation, Hyaline Droplet | Minimal              |
|                      | Respirat Epith  | Hyperplasia                   | Mild                 |
|                      | Olfactory Epi   | Metaplasia                    | Respiratory, Minimal |
| * Stomach, Glandular |   | Mineralization                | Minimal              |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                  |   |                                |                     |
|------------------|---|--------------------------------|---------------------|
| * Adrenal Cortex |   | Hyperplasia                    | Mild                |
| * Kidney         |   | Nephropathy                    | Mild                |
| * Liver          |   | Hepatocellular Adenoma         | Multiple            |
|                  | [ Hepatocellular Adenoma TGLs = 2,3,4-6+14+15 ] |                                |                     |
| * Lung           |   | Alveolar/Bronchiolar Carcinoma |                     |
|                  |   | Infiltration Cellular          | Histiocyte, Minimal |
|                  | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]   |                                |                     |
| * Nose           |   | Hyperplasia                    | Mild                |
|                  | Respirat Epith                                  | Metaplasia                     | Squamous, Minimal   |
|                  | Respirat Epith                                  | Necrosis                       | Minimal             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53933

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Spleen                  | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

**OBSERVATIONS**

- |                        |  |                               |                      |
|------------------------|--|-------------------------------|----------------------|
| * Heart                |  | Cardiomyopathy                | Minimal              |
| * Kidney               |  | Nephropathy                   | Mild                 |
| * Liver                |  | Hepatocellular Adenoma        | Multiple             |
|                        |  | Hepatocellular Carcinoma      |                      |
|                        | [ Hepatocellular Adenoma TGLs = 3,4-6+20 ] |                               |                      |
|                        | [ Hepatocellular Carcinoma TGLs = 2-19 ]   |                               |                      |
| * Nose                 | Respirat Epith                             | Accumulation, Hyaline Droplet | Minimal              |
|                        | Respirat Epith                             | Hyperplasia                   | Minimal              |
| * Preputial Gland      |  | Inflammation                  | Chronic Active, Mild |
| * Skin                 |  | Fibrous Histiocytoma          |                      |
|                        | [ Fibrous Histiocytoma TGLs = 1-20 ]       |                               |                      |
| * Stomach, Forestomach |  | Hyperplasia                   | Squamous, Mild       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- [ Eosinophilic Focus TGLs = 1-5 ]
- [ Hepatocellular Adenoma TGLs = 2-19 ]
- \* Nose
- Hypertrophy
- Nephropathy
- Clear Cell Focus
- Eosinophilic Focus
- Hepatocellular Adenoma
- Respirat Epith
- Hyperplasia
- Minimal
- Minimal
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: Control

DISP: Natural Death

HISTO: 53935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder

INSUFFICIENT TISSUE

- \* Lymph Node, Bronchial

OBSERVATIONS

- |          |  |                                  |                      |
|----------|--|----------------------------------|----------------------|
| * Heart  |  | Cardiomyopathy                   | Minimal              |
| * Kidney |  | Nephropathy                      | Mild                 |
| * Liver  |  | Hepatocellular Adenoma           | Multiple             |
|          |  | Hepatocellular Carcinoma         | Multiple             |
|          | [ Hepatocellular Adenoma TGLs = 9,11,12-12+14+15 ] |                                  |                      |
|          | [ Hepatocellular Carcinoma TGLs = 10,13-13+16 ]    |                                  |                      |
| * Lung   |  | Hepatocellular Carcinoma         | Metastatic (Liver)   |
|          | [ Hepatocellular Carcinoma TGLs = 2,3,4,5,6,7-4 ]  |                                  |                      |
| * Nose   | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Minimal              |
|          | Olfactory Epi                                      | Metaplasia                       | Respiratory, Minimal |
| * Spleen |  | Hematopoietic Cell Proliferation | Moderate             |
|          | [ Hematopoietic Cell Proliferation TGLs = 8-5 ]    |                                  |                      |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 642

**DOSE:** Control

**DISP:** Natural Death

**HISTO:** 53935

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: TGL 14 = NCL

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                            |                           |
|-----------------------------|---------------------------|----------------------------|---------------------------|
| * Bone                      | * Bone Marrow             | * Brain                    | * Epididymis              |
| * Esophagus                 | * Eye                     | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   | * Pancreas                |
| * Pituitary Gland           | * Preputial Gland         | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                    | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Testes                  | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder         |                            |                           |

MISSING

- |                         |                          |                 |                     |
|-------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|-------------------------|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                   |   |                                |          |
|-------------------|---|--------------------------------|----------|
| * Adrenal Cortex  |   | Hypertrophy                    | Minimal  |
| * Adrenal Medulla |   | Pheochromocytoma Malignant     |          |
|                   | [ Pheochromocytoma Malignant TGLs = 8-3 ]     |                                |          |
| * Kidney          |   | Nephropathy                    | Minimal  |
| * Liver           |   | Clear Cell Focus               |          |
|                   |   | Hepatocellular Adenoma         | Multiple |
|                   | [ Clear Cell Focus TGLs = 2,7-13+15 ]         |                                |          |
|                   | [ Hepatocellular Adenoma TGLs = 1,4,5-5+14 ]  |                                |          |
| * Lung            |   | Alveolar/Bronchiolar Carcinoma |          |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-4 ] |                                |          |
| * Nose            | Respirat Epith                                | Hyperplasia                    | Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 488

DOSE: Control

DISP: Natural Death

HISTO: 53937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Stomach, Glandular
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Stomach, Forestomach

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 2,3-5+6 ]
- [ Hepatocellular Carcinoma TGLs = 1-12 ]
- \* Lung
- \* Nose
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Necrosis
- Hepatocellular Carcinoma
- Hyperplasia
- Minimal
- Multiple
- Moderate
- Metastatic (Liver)
- Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                  |                                    |                               |                     |
|------------------|------------------------------------|-------------------------------|---------------------|
| * Adrenal Cortex |                                    | Hyperplasia                   | Mild                |
|                  |                                    | Hypertrophy                   | Minimal             |
| * Kidney         |                                    | Nephropathy                   | Minimal             |
| * Liver          |                                    | Clear Cell Focus              |                     |
|                  |                                    | Eosinophilic Focus            |                     |
|                  | [ Clear Cell Focus TGLs = 1-5+12 ] |                               |                     |
| * Lung           |                                    | Alveolar/Bronchiolar Adenoma  |                     |
|                  | Alveolus                           | Infiltration Cellular         | Histiocyte, Minimal |
| * Nose           | Respirat Epith                     | Accumulation, Hyaline Droplet | Minimal             |
|                  | Olfactory Epi                      | Atrophy                       | Mild                |
|                  | Respirat Epith                     | Hyperplasia                   | Minimal             |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Vinylidene chloride  
CAS Number: 75-35-4

Date Report Requested: 04/14/2011  
Time Report Requested: 10:17:53  
First Dose M/F: 06/20/05 / 06/20/05  
Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Intestine Small, Ileum	Adenoma	
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

[ Hepatocellular Adenoma TGLs = 2,3,4,6,7-5+6+20+21 ]

[ Hepatocellular Carcinoma TGLs = 1-19 ]

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Bone
    - [ Hyperostosis TGLs = 3-12 ]
  - \* Kidney
    - Hyperostosis
  - \* Larynx
    - Nephropathy
  - \* Liver
    - Inflammation
    - Clear Cell Focus
    - Hepatocellular Carcinoma
    - [ Clear Cell Focus TGLs = 1-5+6+13 ]
    - [ Hepatocellular Carcinoma TGLs = 2-14 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
  - \* Stomach, Forestomach
    - Squamous Cell Papilloma
    - [ Squamous Cell Papilloma TGLs = 4-9 ]
- Mild
- Minimal
- Suppurative, Mild
- Mild
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spleen                  | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                        |  |                          |                         |
|------------------------|--|--------------------------|-------------------------|
| * Harderian Gland      |  | Adenoma                  |                         |
| * Kidney               |  | Infarct                  | Mild                    |
|                        |  | Nephropathy              | Mild                    |
| * Liver                |  | Clear Cell Focus         |                         |
|                        |  | Eosinophilic Focus       |                         |
|                        |  | Hepatocellular Carcinoma |                         |
|                        | [ Eosinophilic Focus TGLs = 2-6 ]        |                          |                         |
|                        | [ Hepatocellular Carcinoma TGLs = 1-19 ] |                          |                         |
| * Lung                 | Alveolus                                 | Infiltration Cellular    | Histiocyte, Minimal     |
| * Nose                 | Respirat Epith                           | Hyperplasia              | Minimal                 |
| * Stomach, Forestomach |  | Hyperplasia              | Squamous, Mild          |
|                        |  | Inflammation             | Chronic Active, Minimal |
|                        | [ Hyperplasia TGLs = 3-9 ]               |                          |                         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3-6 ]
- [ Hepatocellular Carcinoma TGLs = 2-5 ]
- \* Lung
- \* Nose
- \* Testes
- Hypertrophy
- Cardiomyopathy
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Hyperplasia
- Degeneration
- Minimal
- Minimal
- Moderate
- Metastatic (Liver)
- Minimal
- Minimal
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 1-5+6 ]
- [ Hepatocellular Adenoma TGLs = 2-5 ]
- \* Lymph Node, Mesenteric
- \* Nose
- Hypertrophy
- Adenoma
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Lymphoma Malignant
- Hyperplasia
- Moderate
- Mild
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Salivary Glands
- \* Testes
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Kidney
  - \* Liver
  - \* Lung
  - Lymph Node
    - Pancreatic
    - [ Histiocytic Sarcoma TGLs = 4-15+16 ]
  - \* Nose
  - \* Skin
    - Respirat Epith
    - [ Inflammation TGLs = 1-18 ]
  - \* Spleen
    - Histiocytic Sarcoma
    - [ Histiocytic Sarcoma TGLs = 2,3-5+14+18 ]
  - \* Trachea
- Hypertrophy
- Nephropathy
- Clear Cell Focus
- Inflammation
- Histiocytic Sarcoma
- Hyperplasia
- Inflammation
- Histiocytic Sarcoma
- Inflammation
- Minimal
- Minimal
- Chronic Active, Minimal
- Mild
- Chronic Active, Minimal
- Suppurative, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 623

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney      Nephropathy      Minimal
- \* Liver      Hemangiosarcoma      Metastatic (Spleen)
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Necrosis      Moderate
- [ Hemangiosarcoma TGLs = 3,4,5,7-5+6 ]
- [ Necrosis TGLs = 6-5+6 ]
- \* Lung      Hepatocellular Carcinoma      Metastatic (Liver)
- [ Hepatocellular Carcinoma TGLs = 8,10-4 ]
- \* Nose      Respirat Epith      Minimal
- Olfactory Epi      Respiratory, Minimal
- \* Preputial Gland      Inflammation      Suppurative, Moderate
- \* Spleen      Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 2-5 ]

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                    | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus               | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Bronchial     | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland         | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle         | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular      | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                 | * Urinary Bladder          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                                       |                        |                      |
|---------------------------------------|------------------------|----------------------|
| * Heart                               | Cardiomyopathy         | Minimal              |
| * Islets, Pancreatic                  | Hyperplasia            | Mild                 |
| * Kidney                              | Metaplasia             | Osseous, Mild        |
|                                       | Nephropathy            | Mild                 |
| * Larynx                              | Metaplasia             | Squamous, Mild       |
| * Liver                               | Clear Cell Focus       |                      |
|                                       | Hepatocellular Adenoma |                      |
| [ Hepatocellular Adenoma TGLs = 1-5 ] |                        |                      |
| Mesentery                             | Fat                    | Necrosis             |
| [ Necrosis TGLs = 2-6 ]               |                        | Mild                 |
| * Nose                                | Olfactory Epi          | Metaplasia           |
|                                       | Olfactory Epi          | Necrosis             |
|                                       |                        | Respiratory, Minimal |
|                                       |                        | Minimal              |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland
- \* Thymus

OBSERVATIONS

- \* Intestine Small, Duodenum      Necrosis      Moderate
- \* Kidney      Mineralization      Mild
- Nephropathy      Moderate
- [ Nephropathy    TGLs = 1-6 ]
- \* Liver      Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma    TGLs = 3-5 ]
- \* Lung      Hepatocellular Carcinoma      Metastatic (Liver)
- \* Nose      Respirat Epith      Accumulation, Hyaline Droplet      Minimal
- Respirat Epith      Hyperplasia      Minimal
- Olfactory Epi      Metaplasia      Respiratory, Mild
- \* Stomach, Forestomach      Ulcer      Mild

PRIMARY CAUSE OF DEATH      - Liver    Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                         |                          |                 |                     |
|-------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|-------------------------|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                   |  |                         |          |
|-------------------|--|-------------------------|----------|
| * Adrenal Medulla |  | Pheochromocytoma Benign |          |
| * Kidney          |  | Nephropathy             | Moderate |
| * Liver           |  | Clear Cell Focus        |          |
|                   |  | Hepatocellular Adenoma  |          |
|                   | [ Clear Cell Focus TGLs = 2-6 ]        |                         |          |
|                   | [ Hepatocellular Adenoma TGLs = 1-13 ] |                         |          |
| * Nose            | Respirat Epith                         | Hyperplasia             | Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Pituitary Gland        | * Preputial Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- |                          |                           |                 |                     |
|--------------------------|---------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Mammary Gland | * Parathyroid Gland |
|--------------------------|---------------------------|-----------------|---------------------|

OBSERVATIONS

- |                  |   |                               |          |
|------------------|---|-------------------------------|----------|
| * Adrenal Cortex |   | Hypertrophy                   | Mild     |
| * Heart          |   | Cardiomyopathy                | Minimal  |
| * Kidney         |   | Nephropathy                   | Mild     |
| * Liver          |   | Hepatocellular Adenoma        | Multiple |
|                  | [ Hepatocellular Adenoma TGLs = 1,2-5+6 ] |                               |          |
| * Nose           | Respirat Epith                            | Accumulation, Hyaline Droplet | Minimal  |
|                  | Respirat Epith                            | Hyperplasia                   | Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
  - [ Adenoma TGLs = 4-11 ]
- \* Kidney
  - Adenoma
  - Nephropathy Mild
  - Angiectasis Mild
  - Clear Cell Focus
  - Hepatocellular Adenoma
- \* Liver
  - [ Angiectasis TGLs = 1-6 ]
  - [ Clear Cell Focus TGLs = 2-5 ]
  - [ Hepatocellular Adenoma TGLs = 3-13 ]
- \* Lung
  - Alveolar/Bronchiolar Adenoma
  - Alveolar/Bronchiolar Carcinoma
- \* Nose
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 5-4 ]
  - Respirat Epith
  - Accumulation, Hyaline Droplet Minimal
  - Respirat Epith
  - Hyperplasia Minimal
  - Olfactory Epi
  - Metaplasia Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                           |                 |                     |
|---------------------------|-----------------|---------------------|
| * Lymph Node, Mediastinal | * Mammary Gland | * Parathyroid Gland |
|---------------------------|-----------------|---------------------|

OBSERVATIONS

- |           |  |                        |          |
|-----------|--|------------------------|----------|
| * Heart   |  | Cardiomyopathy         | Minimal  |
| * Kidney  |  | Cyst                   | Mild     |
|           | [ Cyst TGLs = 4-15 ]                       |                        |          |
| * Liver   |  | Hepatocellular Adenoma | Multiple |
|           | [ Hepatocellular Adenoma TGLs = 2,3-5+15 ] |                        |          |
| Mesentery | Fat  | Necrosis               | Mild     |
|           | [ Necrosis TGLs = 1-13 ]                   |                        |          |
| * Nose    | Respirat Epith                             | Hyperplasia            | Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 2,4,5-6+14+15 ]
- [ Hepatocellular Carcinoma TGLs = 3-13 ]
- \* Lung
- \* Nose
- \* Preputial Gland
- [ Ectasia TGLs = 1-8 ]
- Hypertrophy
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hyperplasia
- Hyperplasia
- Ectasia
- Mild
- Mild
- Multiple
- Mild
- Minimal
- Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Harderian Gland
- [ Adenoma TGLs = 5-11 ]
- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 1-5 ]
- [ Hepatocellular Adenoma TGLs = 3-13 ]
- [ Mixed Cell Focus TGLs = 2-6 ]
- Mesentery
- [ Necrosis TGLs = 4-13 ]
- \* Nose
- \* Pituitary Gland
- \* Testes
- Hypertrophy
- Adenoma
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Mixed Cell Focus
- Fat
- Necrosis
- Respirat Epith
- Pars Distalis
- Germinal Epith
- Hyperplasia
- Hyperplasia
- Degeneration
- Mild
- Mild
- Mild
- Minimal
- Minimal
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 629

DOSE: Control

DISP: Natural Death

HISTO: 53954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Kidney
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Liver
    - [ Hepatocellular Adenoma TGLs = 2-6 ]
    - [ Hepatocellular Carcinoma TGLs = 1-12 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
- Hepatocellular Adenoma  
Hepatocellular Carcinoma
- Hyperplasia  
Metaplasia
- Mild  
Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Harderian Gland
  - [ Adenoma TGLs = 7-11 ]
- \* Heart
  - Adenoma
- \* Kidney
  - Cardiomyopathy Minimal
  - Hydronephrosis Moderate
  - Infarct Mild
  - Nephropathy Moderate
- \* Liver
  - [ Hydronephrosis TGLs = 6-6 ]
  - Basophilic Focus
  - Hepatocellular Adenoma Multiple
  - Hepatocellular Carcinoma
  - [ Basophilic Focus TGLs = 8-17 ]
  - [ Hepatocellular Adenoma TGLs = 9-6 ]
  - [ Hepatocellular Carcinoma TGLs = 3-12+13 ]
- \* Lung
  - [ Alveolar/Bronchiolar Adenoma TGLs = 1-4 ]
  - Alveolar/Bronchiolar Adenoma
- \* Nose
  - Respirat Epith
  - Accumulation, Hyaline Droplet Minimal
  - Respirat Epith
  - Hyperplasia Minimal
- \* Prostate
  - Inflammation Suppurative, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53955

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Skin

Subcut Tiss

Liposarcoma

Mild

Necrosis

[ Liposarcoma TGLs = 4-15 ]

[ Necrosis TGLs = 2-18 ]

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                  |   |                                |                   |
|------------------|---|--------------------------------|-------------------|
| * Adrenal Cortex |   | Hypertrophy                    | Minimal           |
| * Kidney         |   | Nephropathy                    | Mild              |
| * Liver          |   | Clear Cell Focus               |                   |
|                  |   | Hepatocellular Adenoma         | Multiple          |
|                  | [ Clear Cell Focus TGLs = 2,3-5+6 ]           |                                |                   |
|                  | [ Hepatocellular Adenoma TGLs = 4,5-12+13 ]   |                                |                   |
| * Lung           |   | Alveolar/Bronchiolar Carcinoma |                   |
|                  | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ] |                                |                   |
| * Nose           | Respirat Epith                                | Hyperplasia                    | Minimal           |
|                  | Olfactory Epi                                 | Metaplasia                     | Respiratory, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53957

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Spleen                 |
| * Stomach, Forestomach     | * Testes                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

**MISSING**

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

**OBSERVATIONS**

- |                      |   |                               |                      |
|----------------------|---|-------------------------------|----------------------|
| * Kidney             |   | Nephropathy                   | Mild                 |
| * Liver              |   | Hepatocellular Adenoma        |                      |
|                      |   | Hepatocellular Carcinoma      | Multiple             |
|                      | [ Hepatocellular Adenoma TGLs = 3-12 ]            |                               |                      |
|                      | [ Hepatocellular Carcinoma TGLs = 2,4,5-6+13+15 ] |                               |                      |
| * Nose               | Respirat Epi                                      | Accumulation, Hyaline Droplet | Mild                 |
|                      | Olfactory Epi                                     | Accumulation, Hyaline Droplet | Minimal              |
|                      | Respirat Epi                                      | Hyperplasia                   | Minimal              |
|                      | Olfactory Epi                                     | Metaplasia                    | Respiratory, Minimal |
| * Skin               |   | Necrosis                      | Moderate             |
|                      | [ Necrosis TGLs = 1-8 ]                           |                               |                      |
| * Stomach, Glandular |   | Necrosis                      | Minimal              |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Harderian Gland
    - [ Adenoma TGLs = 15-11 ]
  - \* Heart
  - \* Intestine Small, Jejunum
  - \* Kidney
    - [ Hepatocholangiocarcinoma TGLs = 7-15 ]
    - [ Nephropathy TGLs = 6-6 ]
  - \* Liver
    - [ Basophilic Focus TGLs = 3-14 ]
    - [ Hepatocholangiocarcinoma TGLs = 2-12 ]
  - \* Lung
    - [ Hepatocholangiocarcinoma TGLs = 5,9,10,11,12,13-4 ]
  - \* Lymph Node, Bronchial
- Adenoma
- Hepatocholangiocarcinoma
- Hepatocholangiocarcinoma
- Hepatocholangiocarcinoma
- Metaplasia
- Nephropathy
- Basophilic Focus
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocholangiocarcinoma
- Hepatocholangiocarcinoma
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- Metastatic (Liver)
- Metastatic (Liver)
- Osseous, Minimal
- Mild
- Metastatic (Liver)
- Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53958

ORGAN AND ACCOUNTABLE SITE STATUS

\* Lymph Node, Mediastinal

Hepatocholangiocarcinoma

Metastatic (Liver)

\* Nose

Olfactory Epi

Metaplasia

Respiratory, Minimal

Pleura

Hepatocholangiocarcinoma

Metastatic (Liver)

[ Hepatocholangiocarcinoma TGLs = 8,14-3+14 ]

PRIMARY CAUSE OF DEATH

- Liver Hepatocholangiocarcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Kidney Nephropathy Mild
- \* Liver Hepatocellular Carcinoma Multiple
  - [ Hepatocellular Carcinoma TGLs = 2,3-5+13 ]
- \* Lung Alveolar/Bronchiolar Carcinoma Multiple
  - Alveolar Epith Hyperplasia Minimal
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- Mesentery Fat Necrosis Moderate
  - [ Necrosis TGLs = 4-14 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
  - Respirat Epith Hyperplasia Mild
  - Olfactory Epi Metaplasia Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Larynx                  | * Lung                      | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                               |                      |
|--------------------------|--|-------------------------------|----------------------|
| * Adrenal Cortex         |  | Hypertrophy                   | Minimal              |
| * Islets, Pancreatic     |  | Hyperplasia                   | Moderate             |
| * Kidney                 |  | Nephropathy                   | Mild                 |
| * Liver                  |  | Eosinophilic Focus            |                      |
|                          |  | Hepatocellular Adenoma        | Multiple             |
|                          | [ Hepatocellular Adenoma TGLs = 1-14 ] |                               |                      |
| * Lymph Node, Mesenteric |  | Histiocytic Sarcoma           |                      |
| * Nose                   | Respirat Epith                         | Accumulation, Hyaline Droplet | Minimal              |
|                          | Respirat Epith                         | Hyperplasia                   | Minimal              |
|                          |  | Inflammation                  | Suppurative, Minimal |
| * Spleen                 |  | Histiocytic Sarcoma           |                      |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 661

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Pancreas
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Heart Cardiomyopathy Minimal
- \* Kidney Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 4,5-6 ]
- \* Liver Eosinophilic Focus
- [ Lymphoma Malignant TGLs = 3-13+14 ]
- [ Lymphoma Malignant TGLs = 7-14 ]
- \* Lung Lymphoma Malignant
- Lymph Node Lymphoma Malignant
- Renal
- \* Lymph Node, Mediastinal Lymphoma Malignant
- \* Lymph Node, Mesenteric Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 6-7 ]
- \* Nose Hyperplasia Mild
- Respirat Epith
- \* Pituitary Gland Lymphoma Malignant
- Pars Intermed Adenoma
- \* Spleen Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 1,2-12+14 ]
- Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 661

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53961

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Lymphoma Malignant

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PRIMARY CAUSE OF DEATH

- Lymph Node, Mesenteric Lymphoma Malignant

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 443

DOSE: Control

DISP: Natural Death

HISTO: 53962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Islets, Pancreatic
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Intestine Large, Cecum
- \* Stomach, Glandular
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Kidney
- \* Liver
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Minimal
- Multiple

[ Hepatocellular Adenoma TGLs = 2-5 ]

[ Hepatocellular Carcinoma TGLs = 1-6 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Kidney
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Islets, Pancreatic
- Adenoma
- \* Liver
- Hepatocellular Adenoma
- [ Hepatocellular Adenoma TGLs = 2-5 ]
- \* Lymph Node, Mandibular
- Hyperplasia
- \* Nose
- Foreign Body
- Hyperostosis
- Respirat Epith
- Hyperplasia
- Respirat Epith
- Olfactory Epi
- Inflammation
- Respirat Epith
- Olfactory Epi
- Necrosis
- Tooth
- Necrosis
- Dysplasia

Mild

Mild

Minimal

Suppurative, Mild

Squamous, Mild

Respiratory, Mild

Minimal

Mild

Mild

PRIMARY CAUSE OF DEATH - Tooth Dysplasia

CONTRIBUTORY CAUSE OF DEATH - Nose Inflammation

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
  - [ Adenoma TGLs = 1-11 ]
- \* Kidney
  - Adenoma
  - Nephropathy
  - Clear Cell Focus
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Mild
  - Multiple
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 3,4-5+19 ]
  - [ Hepatocellular Carcinoma TGLs = 2-20 ]
- \* Lung
  - [ Alveolar/Bronchiolar Adenoma TGLs = 5-4 ]
  - [ Inflammation TGLs = 6-4 ]
  - Alveolar/Bronchiolar Adenoma
  - Inflammation
  - Chronic Active, Mild
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Hyperplasia
  - Metaplasia
  - Minimal
  - Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 501

DOSE: Control

DISP: Natural Death

HISTO: 53965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Liver
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Ileum
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Intestine Large, Colon
- \* Thymus
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Kidney
- \* Nose
- \* Skin
- Papilla
- Respirat Epith
- Necrosis
- Hyperplasia
- Necrosis
- Mild
- Minimal
- Moderate

[ Necrosis TGLs = 1-8 ]

PRIMARY CAUSE OF DEATH - Skin Necrosis

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 1,2-5+12 ]
- [ Hepatocellular Carcinoma TGLs = 3-13 ]
- \* Lung
- Alveolar Epith
- Mesentery
- Fat
- [ Necrosis TGLs = 4-6 ]
- \* Stomach, Glandular
- Hypertrophy
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hyperplasia
- Necrosis
- Mineralization
- Mild
- Mild
- Multiple
- Minimal
- Mild
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
  - \* Heart
  - \* Kidney
  - \* Liver
  - [ Hepatocellular Adenoma TGLs = 2-5 ]
  - [ Hepatocellular Carcinoma TGLs = 1-12+13 ]
  - [ Necrosis TGLs = 3-6 ]
  - \* Lung
  - [ Hepatocellular Carcinoma TGLs = 4-4 ]
  - \* Nose
- Hypertrophy
- Cardiomyopathy
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Necrosis
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Hyperplasia
- Minimal
- Minimal
- Mild
- Moderate
- Metastatic (Liver)
- Minimal
- Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 512

DOSE: Control

DISP: Natural Death

HISTO: 53968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Kidney: Nephropathy (Mild)
- \* Liver: Hepatocellular Adenoma, Necrosis (Minimal)
- [ Hepatocellular Adenoma TGLs = 2-12 ]
- \* Lung: Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- \* Nose: Respirat Epith, Hyperplasia (Minimal)
- \* Stomach, Glandular: Necrosis (Mild)
- \* Thymus: Necrosis (Moderate)

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Kidney
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- \* Liver
- Basophilic Focus
- Hepatocellular Adenoma
- Hepatocholangiocarcinoma
- [ Hepatocholangiocarcinoma TGLs = 6,9-5+12 ]
- \* Lung
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- [ Hepatocholangiocarcinoma TGLs = 4,5-4 ]
- Lymph Node
- Renal
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- [ Hepatocholangiocarcinoma TGLs = 10-6 ]
- \* Lymph Node, Bronchial
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- \* Lymph Node, Mesenteric
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- Mesentery
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- [ Hepatocholangiocarcinoma TGLs = 7,8-16+17 ]
- \* Nose
- Turbinate
- Atrophy
- Mild
- Hyperostosis
- Minimal
- Respirat Epith
- Hyperplasia
- Minimal
- Olfactory Epi
- Metaplasia
- Respiratory, Minimal
- \* Pancreas
- Hepatocholangiocarcinoma
- Metastatic (Liver)
- Skeletal Muscle
- Hepatocholangiocarcinoma
- Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54219

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Hepatocholangiocarcinoma TGLs = 2,3-14+15 ]

\* Stomach, Forestomach

Ulcer

Mild

\* Stomach, Glandular

Necrosis

Mild

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocholangiocarcinoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Bone [ Degeneration TGLs = 1-12 ] Cartilage Degeneration Mild
- \* Kidney Nephropathy Mild
- \* Liver Clear Cell Focus Multiple
- [ Clear Cell Focus TGLs = 5-6 ]
- [ Hepatocellular Adenoma TGLs = 4,6-5+13 ] Hepatocellular Adenoma Multiple
- \* Lung Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 3-4 ]
- \* Nose Turbinate Atrophy Mild
- Respirat Epith Hyperplasia Minimal
- \* Spleen Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 2-13 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Medulla
- \* Harderian Gland
- [ Adenoma TGLs = 3-11 ]
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 2-6 ]
- [ Hepatocellular Carcinoma TGLs = 1-12+13 ]
- \* Lung
- [ Hepatocellular Carcinoma TGLs = 4-4 ]
- [ Thrombosis TGLs = 5-4 ]
- \* Nose
- Respirat Epith
- Turbinat
- Respirat Epith
- Olfactory Epi
- Hyperplasia
- Adenoma
- Cyst
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Inflammation
- Thrombosis
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperplasia
- Metaplasia
- Mild
- Mild
- Mild
- Metastatic (Liver)
- Chronic Active, Mild
- Mild
- Minimal
- Minimal
- Minimal
- Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Adenoma
    - Nephropathy
  - [ Adenoma TGLs = 5-6 ]
- \* Liver
  - Clear Cell Focus
  - Hepatocellular Adenoma
  - [ Clear Cell Focus TGLs = 1-5 ]
  - [ Hepatocellular Adenoma TGLs = 2,3,4-5+6+8 ]
- \* Nose
  - Turbinate
    - Atrophy
    - Hyperostosis
  - Respirat Epith
    - Hyperplasia
  - Olfactory Epi
    - Metaplasia

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                  |  |                               |                    |
|------------------|--|-------------------------------|--------------------|
| * Adrenal Cortex |  | Hypertrophy                   | Minimal            |
| * Kidney         |  | Nephropathy                   | Minimal            |
| * Liver          |  | Hepatocellular Adenoma        | Multiple           |
|                  |  | Hepatocellular Carcinoma      |                    |
|                  | [ Hepatocellular Adenoma TGLs = 2,3-6+14 ] |                               |                    |
|                  | [ Hepatocellular Carcinoma TGLs = 1-12 ]   |                               |                    |
| * Lung           |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose           | Respirat Epith                             | Accumulation, Hyaline Droplet | Minimal            |
|                  | Turbinate                                  | Atrophy                       | Minimal            |
|                  | Respirat Epith                             | Hyperplasia                   | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                           |                 |
|---------------------------|-----------------|
| * Lymph Node, Mediastinal | * Mammary Gland |
|---------------------------|-----------------|

OBSERVATIONS

- |                  |                                   |                    |                      |
|------------------|-----------------------------------|--------------------|----------------------|
| * Adrenal Cortex |                                   | Hypertrophy        | Minimal              |
| * Kidney         | Renal Tubule                      | Carcinoma          |                      |
|                  | Renal Tubule                      | Hyperplasia        | Mild                 |
|                  | [ Carcinoma TGLs = 1-6 ]          | Nephropathy        | Minimal              |
| * Liver          |                                   | Clear Cell Focus   |                      |
|                  | [ Eosinophilic Focus TGLs = 2-5 ] | Eosinophilic Focus |                      |
| * Lung           | Alveolar Epith                    | Hyperplasia        | Moderate             |
| * Nose           | Turbinate                         | Atrophy            | Minimal              |
|                  |                                   | Hyperostosis       | Minimal              |
|                  | Respirat Epith                    | Hyperplasia        | Minimal              |
|                  | Olfactory Epi                     | Metaplasia         | Respiratory, Minimal |
| * Testes         | Interstit Cell                    | Hyperplasia        | Mild                 |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Spleen
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Stomach, Glandular

OBSERVATIONS

- \* Liver [ Hepatocellular Carcinoma TGLs = 2-12 ] Hepatocellular Carcinoma
- \* Nose Turbinate Atrophy Minimal
- Respirat Epith Hyperostosis Minimal
- Olfactory Epi Hyperplasia Minimal
- Metaplasia Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54226

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                  |   |                               |          |
|------------------|---|-------------------------------|----------|
| * Adrenal Cortex |   | Hyperplasia                   | Mild     |
| * Kidney         |   | Nephropathy                   | Minimal  |
| * Liver          |   | Hepatocellular Adenoma        | Multiple |
|                  | [ Hepatocellular Adenoma TGLs = 2,3-5+6 ] |                               |          |
| * Nose           | Respirat Epith                            | Accumulation, Hyaline Droplet | Minimal  |
|                  | Turbinate                                 | Atrophy                       | Minimal  |
|                  | Respirat Epith                            | Hyperplasia                   | Minimal  |
| * Skin           |   | Fibrous Histiocytoma          |          |
|                  | [ Fibrous Histiocytoma TGLs = 1-12 ]      |                               |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 2-6 ]
- \* Nose
- \* Pituitary Gland
- Hypertrophy
- Cardiomyopathy
- Adenoma
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hyperplasia
- Mild
- Minimal
- Minimal
- Minimal
- Respiratory, Minimal
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                           |                          |                 |          |
|---------------------------|--------------------------|-----------------|----------|
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Thymus |
|---------------------------|--------------------------|-----------------|----------|

OBSERVATIONS

- |  |                |                               |                      |
|--|----------------|-------------------------------|----------------------|
| * Harderian Gland                              |                | Hyperplasia                   | Moderate             |
| [ Hyperplasia TGLs = 11-11 ]                   |                |                               |                      |
| * Kidney                                       |                | Hepatocellular Carcinoma      | Metastatic (Liver)   |
| [ Hepatocellular Carcinoma TGLs = 10-6 ]       |                | Nephropathy                   | Moderate             |
| * Liver  |                | Basophilic Focus              |                      |
| [ Hepatocellular Adenoma TGLs = 7,8-5+6 ]      |                | Hepatocellular Adenoma        | Multiple             |
| [ Hepatocellular Carcinoma TGLs = 6-14 ]       |                | Hepatocellular Carcinoma      |                      |
| * Lung   |                | Hepatocellular Carcinoma      | Metastatic (Liver)   |
| [ Hepatocellular Carcinoma TGLs = 1,2,3-4+12 ] |                |                               |                      |
| * Nose   | Respirat Epith | Accumulation, Hyaline Droplet | Minimal              |
|  | Turbinate      | Atrophy                       | Minimal              |
|  | Olfactory Epi  | Metaplasia                    | Respiratory, Minimal |
| * Testes                                       |                | Atrophy                       | Moderate             |
| [ Atrophy TGLs = 4-8 ]                         |                |                               |                      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Prostate
- \* Stomach, Glandular
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Medulla
  - \* Kidney
  - \* Larynx
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 3,8-5+12 ]
    - [ Hepatocellular Carcinoma TGLs = 2-13 ]
  - \* Lung
    - [ Lymphoma Malignant TGLs = 6-6 ]
  - \* Lymph Node, Mesenteric
    - [ Lymphoma Malignant TGLs = 7-12 ]
  - \* Nose
  - \* Skin
    - [ Necrosis TGLs = 1-14 ]
  - \* Spleen
- Squam Epithel
- Pancreatic
- Respirat Epith
- Olfactory Epi
- Hyperplasia
- Nephropathy
- Necrosis
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Lymphoma Malignant
- Lymphoma Malignant
- Necrosis
- Hyperplasia
- Metaplasia
- Necrosis
- Hematopoietic Cell Proliferation
- Lymphoma Malignant
- Mild
- Mild
- Minimal
- Multiple
- Metastatic (Liver)
- Mild
- Minimal
- Respiratory, Minimal
- Moderate
- Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54229

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Hematopoietic Cell Proliferation TGLs = 4-5 ]

[ Lymphoma Malignant TGLs = 5-5 ]

\* Testes

Germinal Epith

Degeneration

Mild

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 658

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                          |                          |                           |
|---------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex          | * Bone                   | * Bone Marrow            | * Brain                   |
| * Epididymis              | * Esophagus              | * Eye                    | * Harderian Gland         |
| * Heart                   | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Islets, Pancreatic      | * Kidney                 | * Larynx                 | * Lymph Node, Bronchial   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Pancreas               | * Pituitary Gland         |
| * Preputial Gland         | * Prostate               | * Salivary Glands        | * Seminal Vesicle         |
| * Skin                    | * Spleen                 | * Stomach, Forestomach   | * Testes                  |
| * Thymus                  | * Thyroid Gland          | * Trachea                | * Urinary Bladder         |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- |               |                             |                          |                            |
|---------------|-----------------------------|--------------------------|----------------------------|
| * Gallbladder | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|---------------|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- |                      |   |                              |                      |
|----------------------|---|------------------------------|----------------------|
| * Adrenal Medulla    |   | Pheochromocytoma Benign      |                      |
| * Liver              |   | Hepatocellular Carcinoma     |                      |
|                      | [ Hepatocellular Carcinoma TGLs = 2-6 ]     |                              |                      |
| * Lung               |   | Alveolar/Bronchiolar Adenoma |                      |
|                      | [ Alveolar/Bronchiolar Adenoma TGLs = 1-4 ] |                              |                      |
| * Nose               | Turbinate                                   | Atrophy                      | Minimal              |
|                      | Olfactory Epi                               | Metaplasia                   | Respiratory, Minimal |
| * Stomach, Glandular |   | Necrosis                     | Minimal              |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Intestine Small, Jejunum  
[ Carcinoma TGLs = 7-16 ]  
Carcinoma
- \* Kidney  
Nephropathy Mild
- \* Liver  
Hepatocellular Adenoma Multiple  
Hepatocellular Carcinoma  
[ Hepatocellular Adenoma TGLs = 5,6-6+15 ]  
[ Hepatocellular Carcinoma TGLs = 4-12 ]
- \* Nose  
Turbinate Atrophy Mild  
Hyperostosis Minimal  
Respirat Epith Hyperplasia Minimal  
Olfactory Epi Metaplasia Respiratory, Mild  
Ectasia Marked
- \* Preputial Gland  
[ Ectasia TGLs = 2-8 ]
- \* Skin  
Fibrous Histiocytoma  
Necrosis Moderate  
[ Fibrous Histiocytoma TGLs = 1-6 ]  
[ Necrosis TGLs = 8,9,10-18+19+20 ]
- \* Spleen  
Hematopoietic Cell Proliferation Moderate

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 213

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6.25 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 54231

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLs = 3-5 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
    - Infarct
    - Nephropathy
  - \* Liver
    - Hepatocellular Adenoma TGLs = 2,3-12 ]
    - Hyperplasia
  - \* Lung
    - Mesentery [ Necrosis TGLs = 1-6 ]
    - Fat
    - Necrosis
  - \* Nose
    - Turbinate
    - Atrophy
    - Hyperostosis
    - Olfactory Epi
    - Metaplasia
- Mild  
Mild  
Multiple  
Minimal  
Mild  
Minimal  
Mild  
Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Harderian Gland
  - [ Adenoma TGLs = 7-11 ]
- \* Heart
  - Adenoma
  - Cardiomyopathy Minimal
  - Hyperplasia Mild
  - Nephropathy Minimal
  - Clear Cell Focus
  - Eosinophilic Focus
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
- \* Kidney
  - [ Hepatocellular Adenoma TGLs = 5-8 ]
  - [ Hepatocellular Carcinoma TGLs = 3-6 ]
- \* Liver
  - [ Alveolar/Bronchiolar Adenoma TGLs = 9-4 ]
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4 ]
- \* Lung
  - Alveolar/Bronchiolar Adenoma
  - Alveolar/Bronchiolar Carcinoma
- Mesentery
  - Fat
  - Necrosis Mild
- \* Nose
  - [ Necrosis TGLs = 8-6 ]
  - Turbinate
  - Atrophy Minimal
  - Hyperostosis Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54233

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ORGAN AND ACCOUNTABLE SITE STATUS

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	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Hemangiosarcoma	
	[ Hemangiosarcoma TGLs = 4-13 ]		
* Thymus		Hemangiosarcoma	
	[ Hemangiosarcoma TGLs = 1-12 ]		

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Carcinoma
    - Nephropathy
  - [ Carcinoma TGLs = 4-6 ]
- \* Liver
  - Hepatocellular Adenoma
  - Mixed Cell Focus
  - [ Hepatocellular Adenoma TGLs = 1,2-6+12 ]
  - [ Mixed Cell Focus TGLs = 3-5 ]
- \* Lung
  - Alveolar Epith
    - Hyperplasia
- \* Nose
  - Turbinate
    - Atrophy
    - Hyperostosis
  - Respirat Epith
    - Hyperplasia
  - Olfactory Epi
    - Metaplasia

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Harderian Gland
  - Hyperplasia
  - Mild
  - Inflammation
  - Chronic Active, Mild
- \* Heart
  - Hepatocellular Carcinoma
  - Metastatic (Liver)
- \* Kidney
  - Nephropathy
  - Moderate
  - Pigmentation
  - Mild
- \* Liver
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Multiple
- \* Lung
  - [ Hepatocellular Carcinoma TGLs = 12,13-5+6+15 ]
  - Hepatocellular Carcinoma
  - Metastatic (Liver)
  - [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5,10,11-4+12 ]
- Mesentery
  - Fat
  - Necrosis
  - Mild
  - [ Necrosis TGLs = 9-15 ]
- \* Nose
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Minimal
  - Turbinate
  - Atrophy
  - Minimal
  - Hyperostosis
  - Minimal
  - Respirat Epith
  - Hyperplasia
  - Minimal
  - Olfactory Epi
  - Metaplasia
  - Respiratory, Minimal
  - Hepatocellular Carcinoma
  - Metastatic (Liver)
- \* Pancreas
  - [ Hepatocellular Carcinoma TGLs = 7-13 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54235

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hepatocellular Carcinoma Inflammation	Metastatic (Liver) Suppurative, Moderate
	[ Hepatocellular Carcinoma TGLs = 8-14 ]		
	[ Inflammation TGLs = 8-9 ]		
* Seminal Vesicle		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLs = 6-5 ]		
* Testes	Germinal Epith	Degeneration	Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Epididymis
  - \* Kidney
  - [ Carcinoma TGLs = 5-12 ]
  - \* Liver
  - [ Hepatocellular Adenoma TGLs = 2,3,4-5+14+15 ]
  - \* Lung
  - [ Alveolar/Bronchiolar Adenoma TGLs = 1-4 ]
  - \* Nose
  - \* Stomach, Forestomach
  - [ Hyperplasia TGLs = 7-9 ]
  - \* Testes
- Renal Tubule
  - Granuloma Sperm
  - Carcinoma
  - Nephropathy
  - Hepatocellular Adenoma
  - Alveolar/Bronchiolar Adenoma
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Metaplasia
  - Hyperplasia
  - Necrosis
  - Atrophy
- Mild
  - Mild
  - Multiple
  - Minimal
  - Mild
  - Minimal
  - Respiratory, Minimal
  - Squamous, Mild
  - Minimal
  - Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 664

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3-5 ]
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- \* Nose
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Alveolar/Bronchiolar Carcinoma
- Hepatocellular Carcinoma
- Metastatic (Liver)
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Mild
- Minimal
- Minimal
- Minimal
- Minimal
- Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skin
- \* Testes

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- [ Eosinophilic Focus TGLs = 6-5 ]
- [ Hepatocellular Adenoma TGLs = 4,7-6+14 ]
- \* Lung
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1,2,3-4+12 ]
- \* Nose
- \* Preputial Gland
- Hyperplasia
- Nephropathy
- Eosinophilic Focus
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Carcinoma
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Inflammation
- Metaplasia
- Inflammation
- Minimal
- Mild
- Multiple
- Mild
- Minimal
- Minimal
- Minimal
- Mild
- Chronic Active, Mild
- Respiratory, Mild
- Chronic Active, Mild

Animal Note: TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |          |                                       |                               |                      |
|----------|---------------------------------------|-------------------------------|----------------------|
| * Kidney |                                       | Nephropathy                   | Minimal              |
| * Liver  |                                       | Eosinophilic Focus            |                      |
|          |                                       | Hepatocellular Adenoma        |                      |
|          | [ Hepatocellular Adenoma TGLs = 1-6 ] |                               |                      |
| * Nose   | Respirat Epith                        | Accumulation, Hyaline Droplet | Minimal              |
|          | Turbinate                             | Atrophy                       | Minimal              |
|          | Respirat Epith                        | Hyperplasia                   | Minimal              |
|          |                                       | Inflammation                  | Suppurative, Mild    |
|          | Olfactory Epi                         | Metaplasia                    | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                         |                          |                           |                 |
|-------------------------|--------------------------|---------------------------|-----------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Mammary Gland |
| * Parathyroid Gland     |                          |                           |                 |

OBSERVATIONS

- |                  |   |                               |          |
|------------------|---|-------------------------------|----------|
| * Adrenal Cortex |   | Hypertrophy                   | Minimal  |
| * Kidney         |   | Nephropathy                   | Mild     |
| * Liver          |   | Clear Cell Focus              |          |
|                  | [ Hepatocellular Adenoma TGLs = 1,2-6+12 ]  | Hepatocellular Adenoma        | Multiple |
| * Lung           |   | Alveolar/Bronchiolar Adenoma  | Multiple |
|                  | [ Alveolar/Bronchiolar Adenoma TGLs = 5-4 ] |                               |          |
| Mesentery        | Fat   | Necrosis                      | Mild     |
|                  | [ Necrosis TGLs = 4-12 ]                    |                               |          |
| * Nose           | Respirat Epith                              | Accumulation, Hyaline Droplet | Minimal  |
|                  | Olfactory Epi                               | Accumulation, Hyaline Droplet | Minimal  |
|                  | Turbinate                                   | Atrophy                       | Minimal  |
|                  | Respirat Epith                              | Hyperplasia                   | Minimal  |
|                  | Olfactory Epi                               | Metaplasia                    | Mild     |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Liver                  |
| * Lymph Node, Bronchial    | * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        |
| * Preputial Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

MISSING

- |                          |                           |                 |                     |
|--------------------------|---------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Mammary Gland | * Parathyroid Gland |
|--------------------------|---------------------------|-----------------|---------------------|

OBSERVATIONS

- |           |                         |             |         |
|-----------|-------------------------|-------------|---------|
| * Kidney  | Renal Tubule            | Hyperplasia | Minimal |
|           |                         | Nephropathy | Minimal |
| * Lung    | Alveolar Epith          | Hyperplasia | Minimal |
| Mesentery | Fat                     | Necrosis    | Mild    |
|           | [ Necrosis TGLs = 1-6 ] |             |         |
| * Nose    | Turbinate               | Atrophy     | Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 521

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Kidney
- Nephropathy
- Moderate
- \* Liver
- Angiectasis
- Mild
- Hepatocellular Carcinoma
- [ Angiectasis TGLs = 3-6 ]
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung
- Hepatocellular Carcinoma
- Metastatic (Liver)
- \* Nose
- Olfactory Epi
- Accumulation, Hyaline Droplet
- Minimal
- Turbinate
- Atrophy
- Minimal
- Hyperostosis
- Minimal
- Olfactory Epi
- Metaplasia
- Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Harderian Gland
    - [ Carcinoma TGLs = 4-14 ]
  - \* Kidney
  - \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 1,3-4+12 ]
  - \* Nose
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
    - Interstit Cell
  - \* Testes
    - [ Adenoma TGLs = 2-8 ]
  - Tooth
- Hypertrophy
  - Carcinoma
  - Nephropathy
  - Alveolar/Bronchiolar Carcinoma
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Inflammation
  - Metaplasia
  - Adenoma
  - Dysplasia
- Minimal
  - Minimal
  - Multiple
  - Minimal
  - Minimal
  - Mild
  - Mild
  - Suppurative, Mild
  - Respiratory, Minimal
  - Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
  - Carcinoma
  - Nephropathy
  - Minimal
  - [ Carcinoma TGLs = 6-6 ]
- \* Liver
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Infarct
  - Moderate
  - [ Hepatocellular Adenoma TGLs = 3-6 ]
  - [ Hepatocellular Carcinoma TGLs = 5-12 ]
  - [ Infarct TGLs = 4-5 ]
- \* Lung
  - Hepatocellular Carcinoma
  - Metastatic (Liver)
- \* Nose
  - Turbinate
  - Atrophy
  - Minimal
  - Olfactory Epi
  - Atrophy
  - Minimal
  - Respirat Epith
  - Hyperplasia
  - Minimal
  - Olfactory Epi
  - Metaplasia
  - Respiratory, Minimal
- \* Spleen
  - Hematopoietic Cell Proliferation
  - TGLs = 2-5 ]
  - Marked
- \* Urinary Bladder
  - Transit Epithe
  - Hyperplasia
  - Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 226

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 619

**DOSE:** 6.25 ppm

**DISP:** Natural Death

**HISTO:** 54244

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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CONTRIBUTORY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                           |                 |          |
|---------------------------|-----------------|----------|
| * Lymph Node, Mediastinal | * Mammary Gland | * Thymus |
|---------------------------|-----------------|----------|

OBSERVATIONS

- |                   |  |                               |                      |
|-------------------|--|-------------------------------|----------------------|
| * Heart           |  | Cardiomyopathy                | Mild                 |
| * Kidney          |  | Nephropathy                   | Minimal              |
| * Liver           |  | Hepatocellular Adenoma        | Multiple             |
|                   |  | Hepatocellular Carcinoma      |                      |
|                   | [ Hepatocellular Carcinoma TGLs = 2-12 ] |                               |                      |
|                   | Mesentery                                | Fat                           | Necrosis             |
|                   | [ Necrosis TGLs = 3-6 ]                  |                               | Mild                 |
| * Nose            | Respirat Epith                           | Accumulation, Hyaline Droplet | Minimal              |
|                   | Turbinate                                | Atrophy                       | Mild                 |
|                   |  | Hyperostosis                  | Mild                 |
|                   | Respirat Epith                           | Hyperplasia                   | Minimal              |
|                   | Olfactory Epi                            | Metaplasia                    | Respiratory, Mild    |
| * Preputial Gland |  | Inflammation                  | Chronic Active, Mild |
| * Skin            |  | Necrosis                      | Moderate             |
|                   | [ Necrosis TGLs = 1-6 ]                  |                               |                      |
| Tooth             |  | Dysplasia                     | Moderate             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Kidney
- \* Liver
- \* Lung
- \* Skin
- \* Stomach, Glandular
- Renal Tubule
- Hyperplasia
- Cardiomyopathy
- Hyperplasia
- Nephropathy
- Hepatocellular Carcinoma
- Necrosis
- Hepatocellular Carcinoma
- Necrosis
- Necrosis
- Mild
- Mild
- Minimal
- Moderate
- Moderate
- Metastatic (Liver)
- Mild
- Minimal

[ Hepatocellular Carcinoma TGLs = 2-12+13 ]  
 [ Necrosis TGLs = 3-5 ]

[ Necrosis TGLs = 1-6 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Nephropathy
  - Basophilic Focus
  - Hemangiosarcoma
  - Hepatocellular Adenoma
- \* Liver
  - Minimal
- \* Lung
  - [ Hemangiosarcoma TGLs = 2-5 ]
  - [ Hepatocellular Adenoma TGLs = 3-6 ]
  - Alveolar/Bronchiolar Carcinoma
- \* Nose
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 4-4 ]
  - Turbinate
  - Atrophy
  - Respirat Epith
  - Hyperplasia
  - Olfactory Epi
  - Metaplasia
  - Olfactory Epi
  - Necrosis
  - Necrosis
- \* Skin
  - [ Necrosis TGLs = 1-6 ]
  - Minimal
  - Minimal
  - Respiratory, Minimal
  - Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- Hypertrophy
- Cardiomyopathy
- Metaplasia
- Nephropathy
- Mixed Cell Focus
- Alveolar/Bronchiolar Carcinoma
- Accumulation, Hyaline Droplet
- Atrophy
- Atrophy
- Hyperplasia
- Minimal
- Minimal
- Osseous, Mild
- Mild
- Minimal
- Minimal
- Minimal
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx                  |
| * Liver                     | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  |
| * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Pancreas                 | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                         |               |             |                      |
|-------------------------|---------------|-------------|----------------------|
| * Adrenal Cortex        | Subcapsular   | Adenoma     |                      |
| * Harderian Gland       |               | Adenoma     |                      |
| [ Adenoma TGLs = 1-11 ] |               |             |                      |
| * Islets, Pancreatic    |               | Hyperplasia | Mild                 |
| * Kidney                |               | Nephropathy | Mild                 |
| * Nose                  | Turbinate     | Atrophy     | Minimal              |
|                         | Olfactory Epi | Metaplasia  | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Hyperplasia Minimal
- \* Bone Marrow Hypertrophy Minimal
- \* Kidney Histiocytic Sarcoma
- \* Liver Nephropathy Minimal
- [ Hepatocellular Adenoma TGLs = 1-5 ] Hepatocellular Adenoma
- \* Nose Hyperplasia Minimal
- Respirat Epith Metaplasia Respiratory, Minimal
- Olfactory Epi
- \* Thymus Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        |
| * Preputial Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Spleen                  | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                        |   |                               |                      |
|------------------------|---|-------------------------------|----------------------|
| * Kidney               |   | Nephropathy                   | Minimal              |
| * Liver                |   | Hemangiosarcoma               |                      |
|                        |   | Hepatocellular Adenoma        | Multiple             |
|                        | [ Hemangiosarcoma TGLs = 4-5 ]            |                               |                      |
|                        | [ Hepatocellular Adenoma TGLs = 2,3-5+6 ] |                               |                      |
| * Lung                 | Alveolar Epith                            | Hyperplasia                   | Minimal              |
|                        | [ Hyperplasia TGLs = 1-4 ]                |                               |                      |
| * Nose                 | Respirat Epith                            | Accumulation, Hyaline Droplet | Minimal              |
|                        | Turbinate                                 | Atrophy                       | Minimal              |
|                        |   | Hyperostosis                  | Minimal              |
|                        | Respirat Epith                            | Hyperplasia                   | Minimal              |
|                        | Olfactory Epi                             | Metaplasia                    | Respiratory, Minimal |
| * Stomach, Forestomach |   | Inflammation                  | Chronic Active, Mild |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Heart
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Spleen
- Renal Tubule
- Renal Tubule
- [ Hepatocellular Adenoma TGLs = 2,3,4,5-5+6+14 ]
- Olfactory Epi
- Turbinate
- Respirat Epith
- Olfactory Epi
- [ Hemangiosarcoma TGLs = 1-12 ]
- Cardiomyopathy
- Adenoma
- Hyperplasia
- Nephropathy
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Adenoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hemangiosarcoma
- Minimal
- Marked
- Mild
- Multiple
- Minimal
- Minimal
- Minimal
- Minimal
- Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Epididymis
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Hyperplasia
  - Hypertrophy
  - Minimal
- \* Brain
  - Carcinoma
  - Metastatic (Harderian Gland)
- \* Eye
  - Cornea
  - Hyperplasia
  - Inflammation
  - Chronic Active, Mild
- \* Harderian Gland
  - Carcinoma
  - Carcinoma
  - Metastatic (Harderian Gland)
- \* Heart
  - [ Carcinoma TGLs = 8-14+20 ]
  - Carcinoma
  - Metastatic (Harderian Gland)
- \* Kidney
  - [ Carcinoma TGLs = 6-19 ]
  - Nephropathy
  - Minimal
- \* Liver
  - [ Hepatocellular Carcinoma TGLs = 10-16+17 ]
  - Basophilic Focus
  - Hepatocellular Carcinoma
- \* Lung
  - [ Carcinoma TGLs = 1,2,3,4,5-4+12 ]
  - Carcinoma
  - Metastatic (Harderian Gland)
- \* Lymph Node, Mediastinal
  - Carcinoma
  - Metastatic (Harderian Gland)
- Mesentery
  - Fat
  - Necrosis
  - Mild
- \* Nose
  - [ Necrosis TGLs = 9-19 ]
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54253

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ORGAN AND ACCOUNTABLE SITE STATUS

---

Pleura

Carcinoma

Metastatic (Harderian Gland)

[ Carcinoma TGLs = 7-15 ]

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PRIMARY CAUSE OF DEATH

- Harderian Gland Carcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               |
| * Pituitary Gland          | * Preputial Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Testes                  | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

- |                         |                 |                     |
|-------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Mammary Gland | * Parathyroid Gland |
|-------------------------|-----------------|---------------------|

OBSERVATIONS

- |          |                                       |                               |                      |
|----------|---------------------------------------|-------------------------------|----------------------|
| * Kidney |                                       | Nephropathy                   | Mild                 |
| * Liver  |                                       | Hepatocellular Adenoma        |                      |
|          | [ Hepatocellular Adenoma TGLs = 1-6 ] |                               |                      |
| * Nose   | Respirat Epith                        | Accumulation, Hyaline Droplet | Mild                 |
|          | Olfactory Epi                         | Accumulation, Hyaline Droplet | Minimal              |
|          | Turbinate                             | Atrophy                       | Minimal              |
|          |                                       | Hyperostosis                  | Minimal              |
|          | Olfactory Epi                         | Metaplasia                    | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Larynx
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 3-6 ]
- [ Hepatocellular Adenoma TGLs = 2-5 ]
- \* Lung
- \* Nose
- \* Preputial Gland
- [ Inflammation TGLs = 1-8 ]
- Hyperplasia
- Cardiomyopathy
- Hyperplasia
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Inflammation
- Minimal
- Minimal
- Mild
- Mild
- Minimal
- Minimal
- Mild
- Respiratory, Minimal
- Chronic Active, Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Larynx
- \* Mammary Gland
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Intestine Small, Jejunum  
[ Carcinoma TGLs = 2-6 ]
- \* Kidney
- \* Liver  
[ Hemangioma TGLs = 1-5 ]
- \* Nose
- \* Preputial Gland
- Carcinoma
- Cardiomyopathy
- Carcinoma
- Nephropathy
- Clear Cell Focus
- Eosinophilic Focus
- Hemangioma
- Thrombosis
- Turbinate
- Respirat Epith
- Olfactory Epi
- Inflammation
- Minimal
- Minimal
- Mild
- Minimal
- Minimal
- Mild
- Respiratory, Minimal
- Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Kidney
- Nephropathy
- Mild
- \* Liver
- Hepatocellular Adenoma
- Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 2-6 ]
- [ Hepatocellular Carcinoma TGLs = 1-12 ]
- \* Nose
- Turbinate
- Atrophy
- Minimal
- \* Stomach, Forestomach
- Mineralization
- Minimal
- \* Testes
- Germinal Epith
- Degeneration
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 662

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Kidney Nephropathy Minimal
- \* Liver Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 1-12 ]
- \* Lung Hepatocellular Carcinoma Metastatic (Liver)
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Minimal
- Respirat Epith Hyperostosis Minimal
- Olfactory Epi Hyperplasia Minimal
- Metaplasia Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lung                     |
| * Lymph Node, Bronchial   | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Pancreas                 |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |               |                          |                 |                     |
|---------------|--------------------------|-----------------|---------------------|
| * Gallbladder | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
| * Thymus      |                          |                 |                     |

OBSERVATIONS

- |          |                            |  |                      |
|----------|----------------------------|--|----------------------|
| * Kidney |                            | Nephropathy                              | Mild                 |
| * Nose   | Respirat Epith<br>Turbinat | Accumulation, Hyaline Droplet<br>Atrophy | Minimal<br>Minimal   |
|          | Respirat Epith             | Hyperostosis                             | Mild                 |
|          | Olfactory Epi              | Hyperplasia                              | Minimal              |
| * Testes | Interstit Cell             | Metaplasia<br>Adenoma                    | Respiratory, Minimal |

[ Adenoma TGLs = 1-8 ]

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Medulla
- \* Harderian Gland
- \* Intestine Small, Ileum  
[ Carcinoma TGLs = 5,6-7 ]
- \* Kidney  
Renal Tubule
- \* Liver  
[ Hepatocellular Carcinoma TGLs = 1,2-5+12 ]
- \* Lung  
[ Hepatocellular Carcinoma TGLs = 7,8,9,10,11,12-4 ]
- \* Nose  
Respirat Epith  
Turbinate  
Respirat Epith
- \* Testes  
Germinal Epith
- \* Urinary Bladder  
Transit Epithe
- Hyperplasia
- Inflammation
- Carcinoma
- Adenoma
- Infarct
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperplasia
- Degeneration
- Hyperplasia
- Inflammation
- Necrosis
- Mild
- Chronic Active, Minimal
- Minimal
- Mild
- Minimal
- Minimal
- Mild
- Chronic Active, Mild
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Islets, Pancreatic
- Hyperplasia
- Marked
- \* Kidney
- Nephropathy
- Mild
- \* Liver
- Clear Cell Focus
- Hepatocellular Adenoma
- Hepatocellular Adenoma TGLs = 3,4-5+6 ]
- Hepatocellular Adenoma
- Hepatocellular Adenoma TGLs = 2-12 ]
- \* Lung
- Alveolar/Bronchiolar Carcinoma
- Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- \* Nose
- Respirat Epith
- Accumulation, Hyaline Droplet
- Minimal
- Turbinate
- Atrophy
- Minimal
- Olfactory Epi
- Hyperostosis
- Minimal
- Metaplasia
- Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Bone                     | * Brain                   | * Epididymis                |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Glandular       | * Testes                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- |                          |                 |                     |          |
|--------------------------|-----------------|---------------------|----------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland | * Thymus |
|--------------------------|-----------------|---------------------|----------|

OBSERVATIONS

- |                           |                                      |                               |                   |
|---------------------------|--------------------------------------|-------------------------------|-------------------|
| * Adrenal Cortex          |                                      | Hypertrophy                   | Mild              |
| * Bone Marrow             |                                      | Lymphoma Malignant            |                   |
| * Harderian Gland         |                                      | Lymphoma Malignant            |                   |
| * Kidney                  | Renal Tubule                         | Carcinoma                     |                   |
|                           |                                      | Lymphoma Malignant            |                   |
|                           | [ Carcinoma TGLs = 1-12 ]            |                               |                   |
|                           | [ Lymphoma Malignant TGLs = 2-6 ]    |                               |                   |
| * Larynx                  |                                      | Lymphoma Malignant            |                   |
| * Liver                   |                                      | Lymphoma Malignant            |                   |
|                           | [ Lymphoma Malignant TGLs = 5-5+13 ] |                               |                   |
| * Lung                    |                                      | Lymphoma Malignant            |                   |
| * Lymph Node, Bronchial   |                                      | Lymphoma Malignant            |                   |
| * Lymph Node, Mediastinal |                                      | Lymphoma Malignant            |                   |
|                           | [ Lymphoma Malignant TGLs = 3-3 ]    |                               |                   |
| * Lymph Node, Mesenteric  |                                      | Lymphoma Malignant            |                   |
|                           | [ Lymphoma Malignant TGLs = 7-7 ]    |                               |                   |
| * Nose                    | Respirat Epith                       | Accumulation, Hyaline Droplet | Mild              |
|                           | Turbinate                            | Atrophy                       | Minimal           |
|                           | Olfactory Epi                        | Metaplasia                    | Respiratory, Mild |
| * Pancreas                |                                      | Lymphoma Malignant            |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54262

ORGAN AND ACCOUNTABLE SITE STATUS

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 4-5 ]

\* Stomach, Forestomach

Inflammation

Chronic Active, Mild

Necrosis

Mild

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

Animal Note: TGL 6 = NCL

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Stomach, Glandular
- \* Testes
- Renal Tubule
- Renal Tubule
- [ Alveolar/Bronchiolar Adenoma
- TGLs = 1-4 ]
- Turbinate
- Respirat Epith
- Olfactory Epi
- Germinal Epith
- Hypertrophy
- Adenoma
- Hyperplasia
- Nephropathy
- Clear Cell Focus
- Alveolar/Bronchiolar Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Inflammation
- Degeneration
- Mild
- Mild
- Minimal
- Minimal
- Minimal
- Respiratory, Minimal
- Acute, Minimal
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
  - [ Adenoma TGLs = 7-11 ]
- \* Heart
  - Adenoma
- \* Kidney
  - Renal Tubule
  - Cardiomyopathy Minimal
  - Hyperplasia Minimal
  - Nephropathy Minimal
- \* Liver
  - Hepatocellular Adenoma Multiple
  - Hepatocellular Carcinoma
  - [ Hepatocellular Adenoma TGLs = 1,2,3,5-5+6 ]
  - [ Hepatocellular Carcinoma TGLs = 4-12 ]
- \* Lung
  - Alveolar Epith Hyperplasia Minimal
  - Mesentery Fat Necrosis Mild
  - [ Necrosis TGLs = 6-6 ]
- \* Nose
  - Respirat Epith Accumulation, Hyaline Droplet Mild
  - Turbinate Atrophy Minimal
  - Hyperostosis Mild
  - Respirat Epith Hyperplasia Minimal
  - Olfactory Epi Metaplasia Respiratory, Mild
- \* Preputial Gland
  - Inflammation Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Heart
- Cardiomyopathy
- Minimal
- \* Kidney
- Renal Tubule
- Carcinoma
- Nephropathy
- Minimal
- [ Carcinoma TGLs = 2-6 ]
- \* Liver
- Clear Cell Focus
- Eosinophilic Focus
- Hepatocellular Adenoma
- [ Eosinophilic Focus TGLs = 3-6 ]
- [ Hepatocellular Adenoma TGLs = 1-5 ]
- \* Nose
- Turbinate
- Atrophy
- Minimal
- Hyperostosis
- Mild
- Respirat Epith
- Hyperplasia
- Mild
- Olfactory Epi
- Metaplasia
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lymph Node, Mandibular | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Pituitary Gland        | * Preputial Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- |                         |                 |                     |
|-------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Mammary Gland | * Parathyroid Gland |
|-------------------------|-----------------|---------------------|

OBSERVATIONS

- |  |                         |                              |          |
|--|-------------------------|------------------------------|----------|
| * Adrenal Cortex                                 |                         | Hypertrophy                  | Mild     |
| * Harderian Gland                                |                         | Adenoma                      |          |
| [ Adenoma TGLs = 7-11 ]                          |                         |                              |          |
| * Kidney   | Renal Tubule            | Adenoma                      |          |
|  | Bilateral, Renal Tubule | Carcinoma                    |          |
|  |                         | Nephropathy                  | Minimal  |
| [ Adenoma TGLs = 1-6 ]                           |                         |                              |          |
| [ Carcinoma TGLs = 2-12 ]                        |                         |                              |          |
| * Liver  |                         | Eosinophilic Focus           |          |
|  |                         | Hepatocellular Adenoma       | Multiple |
| [ Hepatocellular Adenoma TGLs = 3,4,5,6-5+6+14 ] |                         |                              |          |
| * Lung   |                         | Alveolar/Bronchiolar Adenoma |          |
| [ Alveolar/Bronchiolar Adenoma TGLs = 8-4 ]      |                         |                              |          |
| * Nose   | Turbinate               | Atrophy                      | Minimal  |
|  | Respirat Epith          | Hyperplasia                  | Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Harderian Gland
  - \* Kidney
    - Renal Tubule
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 1-12 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Stomach, Glandular
- Adenoma
  - Hyperplasia
  - Nephropathy
  - Hepatocellular Adenoma
  - Alveolar/Bronchiolar Carcinoma
  - Atrophy
  - Hyperplasia
  - Metaplasia
  - Mineralization
- Minimal
  - Mild
  - Minimal
  - Minimal
  - Respiratory, Minimal
  - Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Hyperplasia
    - Nephropathy
  - [ Hyperplasia TGLs = 2-6 ]
    - Mild
    - Mild
- \* Larynx
  - Inflammation
- \* Liver
  - Hepatocellular Adenoma
  - [ Hepatocellular Adenoma TGLs = 3,4,5,6,7-5+6+12+15 ]
    - Suppurative, Minimal
    - Multiple
- \* Lung
  - Alveolar Epith
    - Hyperplasia
  - [ Hyperplasia TGLs = 1-4 ]
    - Minimal
- \* Nose
  - Turbinate
    - Atrophy
  - Minimal

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Hypertrophy Mild
- \* Harderian Gland Adenoma
- [ Adenoma TGLs = 6-11 ]
- \* Kidney Adenoma
- Renal Tubule
- Bilateral, Renal Tubule Carcinoma
- Renal Tubule Hyperplasia Mild
- [ Carcinoma TGLs = 1,2-12+14 ]
- \* Liver Eosinophilic Focus
- Hepatocellular Adenoma
- [ Eosinophilic Focus TGLs = 4-5 ]
- [ Hepatocellular Adenoma TGLs = 3-15 ]
- \* Lymph Node, Mediastinal Hemangiosarcoma
- \* Nose Accumulation, Hyaline Droplet Mild
- Respirat Epith Atrophy Mild
- Turbinat Hyperostosis Mild
- Respirat Epith Hyperplasia Mild
- Olfactory Epi Metaplasia Respiratory, Mild
- \* Stomach, Forestomach Hyperplasia Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54120

---

ORGAN AND ACCOUNTABLE SITE STATUS

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Necrosis

Mild

[ Necrosis TGLs = 5-9 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Heart
- Cardiomyopathy
- Minimal
- \* Kidney
- Renal Tubule
- Hyperplasia
- Minimal
- Nephropathy
- Mild
- \* Liver
- Hepatocellular Adenoma
- Multiple
- Hepatocellular Carcinoma
- Mixed Cell Focus
- [ Hepatocellular Adenoma TGLs = 2,3-6+13 ]
- [ Hepatocellular Carcinoma TGLs = 1-12 ]
- \* Lung
- Alveolar Epith
- Hyperplasia
- Moderate
- \* Nose
- Turbinate
- Atrophy
- Mild
- Hyperostosis
- Mild
- Olfactory Epi
- Metaplasia
- Respiratory, Minimal
- \* Testes
- Germinal Epith
- Degeneration
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Eye [ Degeneration TGLs = 5-11 ] Degeneration Moderate
- \* Harderian Gland [ Adenoma TGLs = 4-16 ] Adenoma
- \* Kidney [ Carcinoma TGLs = 3-14+15 ] Renal Tubule Carcinoma
- \* Liver [ Hemangioma TGLs = 1-5 ] Hemangioma
- [ Hepatocellular Adenoma TGLs = 1,2-5+12 ] Hepatocellular Adenoma Multiple
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Mild
- Respirat Epith Hyperostosis Mild
- Olfactory Epi Hyperplasia Minimal
- Metaplasia Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 570

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Hyperplasia
    - Nephropathy
- \* Liver
  - Clear Cell Focus
  - Eosinophilic Focus
- [ Eosinophilic Focus TGLs = 3-5 ]
  - Mesentery
    - Fat
      - Necrosis
  - [ Necrosis TGLs = 2-12 ]
- \* Nose
  - Olfactory Epi
    - Accumulation, Hyaline Droplet
    - Atrophy
    - Hemorrhage
    - Hyperostosis
    - Inflammation
  - Turbinate
    - Suppurative, Mild
  - Respirat Epi
    - Metaplasia
    - Squamous, Minimal
  - Olfactory Epi
    - Metaplasia
    - Respiratory, Minimal
  - Respirat Epi
    - Necrosis
    - Mild
  - Turbinate
    - Necrosis
    - Mild
  - Olfactory Epi
    - Necrosis
    - Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 570

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54123

ORGAN AND ACCOUNTABLE SITE STATUS

[ Hemorrhage TGLs = 4-10 ]

\* Urinary Bladder

Transit Epithe

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Nose Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Nose Hemorrhage

- Nose Respirat Epith Necrosis

- Nose Turbinate Necrosis

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 514

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Medulla Hyperplasia Mild
- \* Intestine Small, Duodenum Necrosis Minimal
- \* Kidney Nephropathy Marked  
  - [ Nephropathy TGLs = 1-6 ]
- \* Liver Basophilic Focus   
  - [ Hepatocellular Carcinoma TGLs = 2-6 ]
- \* Lung Hemorrhage Mild  
  - [ Hemorrhage TGLs = 4-4 ]
- \* Nose Accumulation, Hyaline Droplet Minimal  
  - Respirat Epith Accumulation, Hyaline Droplet Minimal
  - Turbinate Atrophy Mild
  - Olfactory Epi Hyperostosis Mild
  - Olfactory Epi Metaplasia Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                  |                                       |                        |                      |
|------------------|---------------------------------------|------------------------|----------------------|
| * Adrenal Cortex |                                       | Hypertrophy            | Minimal              |
| * Kidney         | Renal Tubule                          | Hyperplasia            | Mild                 |
|                  |                                       | Nephropathy            | Mild                 |
| * Liver          |                                       | Hepatocellular Adenoma |                      |
|                  | [ Hepatocellular Adenoma TGLs = 1-6 ] |                        |                      |
| * Lung           | Alveolar Epith                        | Hyperplasia            | Mild                 |
| * Nose           | Turbinate                             | Atrophy                | Mild                 |
|                  |                                       | Hyperostosis           | Mild                 |
|                  | Respirat Epith                        | Hyperplasia            | Mild                 |
|                  | Olfactory Epi                         | Metaplasia             | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
		Hypertrophy	Minimal
* Epididymis		Granuloma Sperm	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
	[ Adenoma TGLs = 5-12 ]		
	[ Carcinoma TGLs = 4-6 ]		
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[ Clear Cell Focus TGLs = 2,3-6+12 ]		
	[ Hepatocellular Adenoma TGLs = 1-5 ]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Turbinates	Atrophy	Moderate
		Hyperostosis	Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54126

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

Respirat Epith

Hyperplasia

Mild

Olfactory Epi

Metaplasia

Respiratory, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Liver                  |
| * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Pancreas                 | * Pituitary Gland         | * Preputial Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                     |                             |                               |                   |
|---------------------|-----------------------------|-------------------------------|-------------------|
| * Kidney            | Bilateral, Renal Tubule     | Adenoma                       |                   |
|                     |                             | Infarct                       | Mild              |
|                     |                             | Nephropathy                   | Mild              |
|                     | [ Adenoma TGLs = 1,2-6+12 ] |                               |                   |
| * Nose              | Respirat Epith              | Accumulation, Hyaline Droplet | Minimal           |
|                     | Turbinate                   | Atrophy                       | Mild              |
|                     |                             | Hyperostosis                  | Minimal           |
|                     | Olfactory Epi               | Metaplasia                    | Respiratory, Mild |
| * Parathyroid Gland |                             | Cyst                          | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Spleen                 | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Trachea                | * Urinary Bladder          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                        |   |                               |                   |
|------------------------|---|-------------------------------|-------------------|
| * Heart                |   | Cardiomyopathy                | Minimal           |
| * Kidney               | Bilateral, Renal Tubule                     | Carcinoma                     |                   |
|                        | [ Carcinoma TGLs = 4,5-12+13 ]              | Infarct                       | Mild              |
| * Liver                |   | Hepatocellular Adenoma        | Multiple          |
|                        | [ Hepatocellular Adenoma TGLs = 1,2-14+15 ] |                               |                   |
| Mesentery              | Fat   | Necrosis                      | Mild              |
|                        | [ Necrosis TGLs = 3-14 ]                    |                               |                   |
| * Nose                 | Respirat Epith                              | Accumulation, Hyaline Droplet | Mild              |
|                        | Turbinate                                   | Atrophy                       | Mild              |
|                        |   | Hyperostosis                  | Mild              |
|                        | Olfactory Epi                               | Metaplasia                    | Respiratory, Mild |
| * Stomach, Forestomach |   | Hyperplasia                   | Squamous, Mild    |
|                        | [ Hyperplasia TGLs = 7-9 ]                  |                               |                   |
| * Thyroid Gland        | Follicular Cel                              | Adenoma                       |                   |
|                        | [ Adenoma TGLs = 6-3 ]                      |                               |                   |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thymus

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Spleen
- Renal Tubule
- Bilateral, Renal Tubule
- Renal Tubule
- [ Carcinoma TGLs = 3,4-6+12 ]
- [ Hepatocellular Adenoma TGLs = 5-6 ]
- Respirat Epith
- Turbinate
- Respirat Epith
- Respirat Epith
- Olfactory Epi
- Respirat Epith
- Hyperplasia
- Adenoma
- Adenoma
- Carcinoma
- Hyperplasia
- Nephropathy
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Adenoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Metaplasia
- Necrosis
- Lymphoma Malignant
- Minimal
- Mild
- Mild
- Mild
- Mild
- Moderate
- Mild
- Squamous, Minimal
- Respiratory, Mild
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54129

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ORGAN AND ACCOUNTABLE SITE STATUS

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[ Lymphoma Malignant TGLs = 2-5 ]

\* Thyroid Gland

Follicular Cel

Hyperplasia

Mild

[ Hyperplasia TGLs = 1-3 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Heart Cardiomyopathy Minimal
- \* Kidney Carcinoma Nephropathy Mild
- [ Carcinoma TGLs = 1-12+13 ]
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 2,3,4-6+14 ]
- \* Lung Alveolar Epith Hyperplasia Minimal
- Inflammation Chronic Active, Minimal
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Olfactory Epi Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Moderate
- Hyperostosis Moderate
- Respirat Epith Hyperplasia Mild
- Olfactory Epi Metaplasia Respiratory, Mild
- \* Stomach, Forestomach Hyperplasia Squamous, Mild
- [ Hyperplasia TGLs = 5-16 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Larynx
- \* Lung
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Pituitary Gland
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Skin
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Islets, Pancreatic
- Hyperplasia
- Mild
- \* Kidney
- Renal Tubule
- Adenoma
- Renal Tubule
- Carcinoma
- Nephropathy
- Minimal
- [ Adenoma TGLs = 6-6 ]
- [ Carcinoma TGLs = 7-12 ]
- \* Liver
- Degeneration
- Cystic, Mild
- Eosinophilic Focus
- Hepatocellular Adenoma
- Multiple
- [ Degeneration TGLs = 5-15 ]
- [ Hepatocellular Adenoma TGLs = 1,2,3-5+14 ]
- \* Nose
- Turbinate
- Atrophy
- Mild
- Hyperostosis
- Moderate
- Respirat Epith
- Hyperplasia
- Mild
- Olfactory Epi
- Metaplasia
- Respiratory, Mild
- \* Preputial Gland
- Inflammation
- Chronic Active, Mild
- \* Stomach, Forestomach
- Hyperplasia
- Squamous, Mild
- Inflammation
- Chronic Active, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54131

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Hyperplasia TGLs = 8-9 ]

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Epididymis
- \* Kidney
- \* Liver
- \* Nose
- Hypertrophy
- Inflammation
- Carcinoma
- Hepatocellular Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Minimal
- Chronic, Mild
- Bilateral, Renal Tubule
- [ Carcinoma TGLs = 2,3-6+12 ]
- [ Hepatocellular Adenoma TGLs = 1-6 ]
- Turbinate
- Respirat Epith
- Olfactory Epi
- Mild
- Mild
- Mild
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                          |                          |                           |
|----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex           | * Adrenal Medulla        | * Bone                   | * Brain                   |
| * Epididymis               | * Esophagus              | * Eye                    | * Harderian Gland         |
| * Heart                    | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Jejunum | * Islets, Pancreatic     | * Larynx                 | * Lung                    |
| * Lymph Node, Mesenteric   | * Pancreas               | * Pituitary Gland        | * Preputial Gland         |
| * Prostate                 | * Salivary Glands        | * Seminal Vesicle        | * Skin                    |
| * Spleen                   | * Stomach, Forestomach   | * Testes                 | * Thymus                  |
| * Thyroid Gland            | * Trachea                | * Urinary Bladder        |                           |

MISSING

- |                         |                          |                           |                 |
|-------------------------|--------------------------|---------------------------|-----------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Mammary Gland |
| * Parathyroid Gland     |                          |                           |                 |

AUTO PRECLUDES DIAG.

- |               |                             |                          |
|---------------|-----------------------------|--------------------------|
| * Gallbladder | * Intestine Small, Duodenum | * Intestine Small, Ileum |
|---------------|-----------------------------|--------------------------|

OBSERVATIONS

- |                          |   |                        |                      |
|--------------------------|---|------------------------|----------------------|
| * Bone Marrow            | Erythroid Cell                            | Depletion Cellular     | Mild                 |
| * Kidney                 | Renal Tubule                              | Carcinoma              |                      |
| [ Carcinoma TGLs = 2-6 ] |   |                        |                      |
| * Liver                  | [ Hepatocellular Adenoma TGLs = 1,3-5+6 ] | Hepatocellular Adenoma | Multiple             |
| * Nose                   | Turbinate                                 | Atrophy                | Mild                 |
|                          |   | Hyperostosis           | Mild                 |
|                          | Respirat Epith                            | Hyperplasia            | Minimal              |
|                          | Olfactory Epi                             | Metaplasia             | Respiratory, Minimal |
| * Stomach, Glandular     |   | Necrosis               | Minimal              |

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Bone Marrow
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- Hypertrophy
- Hemangiosarcoma
- Adenoma
- Renal Tubule
- Carcinoma
- Nephropathy
- Hemangiosarcoma
- Hepatocellular Adenoma
- Hyperplasia
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Mild
- Minimal
- Minimal
- Moderate
- Mild
- Mild
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  |
| * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Preputial Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                        |                   |
|-------------------|--|------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                            | Adenoma                |                   |
| * Harderian Gland |  | Hyperplasia            | Marked            |
| * Kidney          | Bilateral, Renal Tubule                | Carcinoma              |                   |
|                   | Renal Tubule                           | Hyperplasia            | Minimal           |
|                   |  | Lymphoma Malignant     |                   |
|                   |  | Nephropathy            | Minimal           |
| * Liver           | [ Carcinoma TGLs = 3,4-6+14+15 ]       | Clear Cell Focus       |                   |
|                   |  | Hepatocellular Adenoma | Multiple          |
|                   | [ Clear Cell Focus TGLs = 2-6 ]        |                        |                   |
|                   | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                   |
| * Nose            | Turbinate                              | Atrophy                | Mild              |
|                   |  | Hyperostosis           | Moderate          |
|                   | Respirat Epith                         | Hyperplasia            | Mild              |
|                   | Olfactory Epi                          | Metaplasia             | Respiratory, Mild |
| * Spleen          |  | Lymphoma Malignant     |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex Hyperplasia Mild
- \* Harderian Gland Carcinoma
- [ Carcinoma TGLs = 9-16 ]
- \* Kidney Adenoma Multiple
- Renal Tubule Carcinoma Multiple
- Renal Tubule
- [ Adenoma TGLs = 8-6 ]
- [ Carcinoma TGLs = 6,7-12+14 ]
- \* Liver Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 3-18 ] Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 2-5 ]
- \* Lung Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 4-4 ] Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 5-4 ] Metastatic (Liver)
- \* Nose Atrophy Mild
- Turbinate Hyperostosis Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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**ANIMAL ID:** 418

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 12.5 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 54136

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Respirat Epith

Hyperplasia

Mild

Olfactory Epi

Metaplasia

Respiratory, Minimal

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 648

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Heart
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Carcinoma TGLs = 3-5 ]
    - [ Necrosis TGLs = 4-5 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
  - \* Spleen
    - [ Hemangiosarcoma TGLs = 5-5 ]
  - \* Thyroid Gland
    - [ Carcinoma TGLs = 1-3 ]
- Thrombosis  
Hydronephrosis  
Nephropathy  
Hepatocellular Carcinoma  
Necrosis
- Mild  
Mild  
Minimal  
Mild
- Hyperostosis  
Hyperplasia  
Metaplasia  
Hemangiosarcoma
- Mild  
Minimal  
Respiratory, Mild
- Carcinoma

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 428

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Larynx
- \* Liver
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Forestomach
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |                      |                            |                               |                      |
|----------------------|----------------------------|-------------------------------|----------------------|
| * Heart              |                            | Cardiomyopathy                | Minimal              |
| * Islets, Pancreatic |                            | Hyperplasia                   | Mild                 |
| * Kidney             | Pelvis                     | Inflammation                  | Chronic Active, Mild |
|                      |                            | Nephropathy                   | Moderate             |
|                      | [ Nephropathy TGLs = 2-6 ] |                               |                      |
| * Lung               |                            | Alveolar/Bronchiolar Adenoma  |                      |
| * Nose               | Respirat Epith             | Accumulation, Hyaline Droplet | Minimal              |
|                      | Turbinate                  | Atrophy                       | Mild                 |
|                      |                            | Hyperostosis                  | Mild                 |
|                      | Respirat Epith             | Hyperplasia                   | Minimal              |
|                      | Olfactory Epi              | Metaplasia                    | Respiratory, Minimal |
| * Prostate           |                            | Inflammation                  | Suppurative, Mild    |
| * Skin               | Epidermis                  | Hyperplasia                   | Squamous, Minimal    |
| * Stomach, Glandular |                            | Necrosis                      | Moderate             |
|                      | [ Necrosis TGLs = 3-9 ]    |                               |                      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 428

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54138

ORGAN AND ACCOUNTABLE SITE STATUS

\* Urinary Bladder

Transit Epithe

Hyperplasia

Mild

Inflammation

Chronic Active, Mild

[ Inflammation TGLs = 1-9 ]

PRIMARY CAUSE OF DEATH

- Urinary Bladder Transit Epithe Hyperplasia

CONTRIBUTORY CAUSE OF DEATH

- Kidney Pelvis Inflammation

- Stomach, Glandular Necrosis



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 508

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Kidney Nephropathy Moderate
- \* Liver Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- \* Nose Olfactory Epi Metaplasia Respiratory, Mild
- \* Stomach, Glandular Necrosis Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 648

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus
- \* Adrenal Medulla
- \* Epididymis
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Liver
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Stomach, Glandular
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Nose

OBSERVATIONS

- \* Harderian Gland  
[ Adenoma TGLs = 4-11 ]
- \* Islets, Pancreatic
- \* Kidney  
[ Carcinoma TGLs = 1,2-6 ]
- \* Skin  
[ Histiocytic Sarcoma TGLs = 3-12 ]
- Adenoma
- Adenoma
- Adenoma
- Carcinoma
- Histiocytic Sarcoma
- Renal Tubule  
Bilateral, Renal Tubule
- Multiple

PRIMARY CAUSE OF DEATH

- Kidney Bilateral Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                        |                      |                         |
|---------------------------|------------------------|----------------------|-------------------------|
| * Adrenal Medulla         | * Bone                 | * Bone Marrow        | * Brain                 |
| * Epididymis              | * Esophagus            | * Eye                | * Harderian Gland       |
| * Islets, Pancreatic      | * Larynx               | * Lung               | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal | * Pancreas             | * Pituitary Gland    | * Preputial Gland       |
| * Prostate                | * Salivary Glands      | * Seminal Vesicle    | * Skin                  |
| * Spleen                  | * Stomach, Forestomach | * Stomach, Glandular | * Testes                |
| * Thymus                  | * Thyroid Gland        | * Trachea            | * Urinary Bladder       |

MISSING

- |                          |                          |                 |                     |
|--------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland |
|--------------------------|--------------------------|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |                           |

OBSERVATIONS

- |                  |  |                               |                   |
|------------------|--|-------------------------------|-------------------|
| * Adrenal Cortex |  | Hypertrophy                   | Minimal           |
| * Heart          |  | Cardiomyopathy                | Minimal           |
| * Kidney         | Renal Tubule                               | Carcinoma                     |                   |
|                  | [ Carcinoma TGLs = 2-6 ]                   |                               |                   |
| * Liver          |  | Hepatocellular Adenoma        |                   |
|                  | [ Hepatocellular Adenoma TGLs = 3,4-12+5 ] |                               |                   |
| Mesentery        | Fat  | Necrosis                      | Mild              |
|                  | [ Necrosis TGLs = 1-12 ]                   |                               |                   |
| * Nose           | Olfactory Epi                              | Accumulation, Hyaline Droplet | Minimal           |
|                  | Turbinate                                  | Atrophy                       | Mild              |
|                  |  | Hyperostosis                  | Mild              |
|                  | Respirat Epith                             | Hyperplasia                   | Minimal           |
|                  | Olfactory Epi                              | Metaplasia                    | Respiratory, Mild |

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |                           |   |                                       |                    |
|---------------------------|---|---------------------------------------|--------------------|
| * Adrenal Cortex          | Capsule                                   | Hepatocholangiocarcinoma              | Metastatic (Liver) |
| * Kidney                  | Renal Tubule                              | Adenoma                               |                    |
|                           |   | Hepatocholangiocarcinoma              | Metastatic (Liver) |
|                           |   | Nephropathy                           | Mild               |
|                           | [ Adenoma TGLs = 6-6 ]                    |                                       |                    |
|                           | [ Hepatocholangiocarcinoma TGLs = 5-6 ]   |                                       |                    |
| * Liver                   |   | Hepatocholangiocarcinoma              |                    |
|                           | [ Hepatocholangiocarcinoma TGLs = 4-5 ]   |                                       |                    |
| * Lung                    |   | Hepatocholangiocarcinoma              | Metastatic (Liver) |
|                           | [ Hepatocholangiocarcinoma TGLs = 2,3-4 ] |                                       |                    |
| * Lymph Node, Mediastinal |   | Hepatocholangiocarcinoma              | Metastatic (Liver) |
| * Nose                    | Olfactory Epi Turbinate                   | Accumulation, Hyaline Droplet Atrophy | Minimal            |
|                           |   | Hyperostosis                          | Mild               |
|                           | Olfactory Epi                             | Metaplasia                            | Respiratory, Mild  |
| * Seminal Vesicle         |   | Hepatocholangiocarcinoma              | Metastatic (Liver) |
|                           | [ Hepatocholangiocarcinoma TGLs = 8-9 ]   |                                       |                    |
| Skeletal Muscle           |   | Hepatocholangiocarcinoma              | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54143

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ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Hepatocholangiocarcinoma TGLs = 7-6 ]

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocholangiocarcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 600

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Medulla
  - \* Kidney
    - Renal Tubule
    - Renal Tubule
  - \* Liver
    - [ Cyst TGLs = 4-6 ]
    - [ Nephropathy TGLs = 5-6 ]
    - [ Hepatocellular Adenoma TGLs = 3-12 ]
    - [ Hepatocellular Carcinoma TGLs = 2-12 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
- Hyperplasia
  - Adenoma
  - Cyst
  - Hyperplasia
  - Nephropathy
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Alveolar/Bronchiolar Carcinoma
  - Hepatocellular Carcinoma
  - Atrophy
  - Foreign Body
  - Hyperostosis
  - Hyperplasia
- Mild
  - Mild
  - Minimal
  - Marked
  - Metastatic (Liver)
  - Mild
  - Mild
  - Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 600

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54144

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Olfactory Epi	Inflammation	Suppurative, Minimal
		Metaplasia	Respiratory, Mild
		Necrosis	Mild
[ Necrosis TGLs = 6-6 ]			
* Testes	Germinal Epith	Degeneration	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 404

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Liver
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Heart Artery Inflammation Chronic Active, Mild
- \* Kidney Nephropathy Minimal
- \* Lung Alveolar/Bronchiolar Adenoma TGLs = 2-4 ] Alveolar/Bronchiolar Adenoma
- Mesentery Fat Necrosis Marked
- [ Necrosis TGLs = 1-12 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Minimal
- Respirat Epith Hyperplasia Minimal
- \* Prostate Artery Inflammation Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Mesentery Fat Necrosis

CONTRIBUTORY CAUSE OF DEATH - Prostate Artery Inflammation

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Mandibular | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                         |                 |                     |
|-------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Mammary Gland | * Parathyroid Gland |
|-------------------------|-----------------|---------------------|

OBSERVATIONS

- |                   |  |                               |                    |
|-------------------|--|-------------------------------|--------------------|
| * Harderian Gland |  | Hyperplasia                   | Mild               |
| * Kidney          |  | Cyst                          | Mild               |
|                   | Renal Tubule                                 | Hyperplasia                   | Marked             |
|                   |  | Nephropathy                   | Marked             |
| * Liver           |  | Hepatocellular Carcinoma      | Multiple           |
|                   | [ Hepatocellular Carcinoma TGLs = 2,3-5+13 ] |                               |                    |
| * Lung            |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose            | Respirat Epith                               | Accumulation, Hyaline Droplet | Minimal            |
|                   | Turbinate                                    | Atrophy                       | Mild               |
|                   | Olfactory Epi                                | Atrophy                       | Minimal            |
|                   |  | Hyperostosis                  | Minimal            |
| * Skin            | Respirat Epith                               | Hyperplasia                   | Mild               |
|                   |  | Necrosis                      | Moderate           |
|                   | [ Necrosis TGLs = 1-6 ]                      |                               |                    |
| Tongue            |  | Angiectasis                   | Mild               |
|                   | [ Angiectasis TGLs = 4-12 ]                  |                               |                    |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Adenoma
    - Nephropathy
  - [ Nephropathy TGLs = 5-6 ]
- \* Liver
  - Hepatocellular Carcinoma
  - [ Hepatocellular Carcinoma TGLs = 2,3,4-5+6 ]
- \* Nose
  - Turbinate
    - Atrophy
    - Hyperostosis
    - Hyperplasia
    - Inflammation
  - Respirat Epith
    - Metaplasia
    - Inflammation
- \* Stomach, Forestomach
  - Olfactory Epi
  - Submucosa
    - Necrosis

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Heart
  - Cardiomyopathy
  - Minimal
- \* Islets, Pancreatic
  - Hyperplasia
  - Mild
- \* Kidney
  - Renal Tubule
  - Adenoma
  - Carcinoma
  - Cyst
  - Mild
  - Nephropathy
  - Mild
- [ Adenoma TGLs = 7-16 ]
  - [ Carcinoma TGLs = 6-6 ]
  - [ Cyst TGLs = 8-17 ]
- \* Liver
  - Hemangioma
  - Hepatocellular Adenoma
  - Multiple
- [ Hemangioma TGLs = 5-16 ]
  - [ Hepatocellular Adenoma TGLs = 3,4-5+12+17 ]
- \* Lung
  - Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4+14 ]
- Mesentery
  - Fat
  - Necrosis
  - Mild
- [ Necrosis TGLs = 9-16 ]
- \* Nose
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54148

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Turbinate	Atrophy	Moderate
		Foreign Body	
		Hyperostosis	Moderate
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Olfactory Epi	Necrosis	Minimal
		Cyst	Mild
* Parathyroid Gland			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild

[ Inflammation TGLs = 1-16 ]

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Bone Marrow
- Hemangioma
- \* Heart
- Cardiomyopathy
- Mild
- \* Kidney
- Renal Tubule
- Adenoma
- Nephropathy
- Moderate
- [ Adenoma TGLs = 10-6 ]
- [ Nephropathy TGLs = 9-6 ]
- \* Liver
- Hepatocellular Carcinoma
- Necrosis
- Marked
- [ Hepatocellular Carcinoma TGLs = 8-5 ]
- [ Necrosis TGLs = 7-6 ]
- \* Lung
- Alveolar/Bronchiolar Adenoma
- Hepatocellular Carcinoma
- Metastatic (Liver)
- [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5,6-4 ]
- \* Nose
- Respirat Epith
- Accumulation, Hyaline Droplet
- Minimal
- Turbinate
- Atrophy
- Mild
- Respirat Epith
- Hyperostosis
- Mild
- Olfactory Epi
- Hyperplasia
- Minimal
- Metaplasia
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                  |   |                        |                         |
|------------------|---|------------------------|-------------------------|
| * Adrenal Cortex |   | Hypertrophy            | Minimal                 |
| * Kidney         | Renal Tubule                            | Adenoma                | Multiple                |
|                  |   | Cyst                   | Mild                    |
|                  | Renal Tubule                            | Hyperplasia            | Mild                    |
|                  | [ Cyst TGLs = 4-6 ]                     |                        |                         |
| * Liver          |   | Clear Cell Focus       |                         |
|                  |   | Hepatocellular Adenoma | Multiple                |
|                  | [ Clear Cell Focus TGLs = 1-6 ]         |                        |                         |
|                  | [ Hepatocellular Adenoma TGLs = 2,3-5 ] |                        |                         |
| * Lung           |   | Inflammation           | Chronic Active, Minimal |
| * Nose           | Turbinate                               | Atrophy                | Mild                    |
|                  | Olfactory Epi                           | Metaplasia             | Respiratory, Minimal    |
| * Testes         | Interstit Cell                          | Adenoma                |                         |
|                  | [ Adenoma TGLs = 5-8 ]                  |                        |                         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 433

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Carcinoma
    - Nephropathy
  - [ Carcinoma TGLs = 3-12+16 ]
    - Minimal
- \* Liver
  - Eosinophilic Focus
  - Hepatocellular Adenoma
  - [ Hepatocellular Adenoma TGLs = 1,2-6+14 ]
    - Multiple
- \* Nose
  - Turbinate
    - Atrophy
    - Hyperostosis
  - Olfactory Epi
    - Metaplasia
    - Respiratory, Mild

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 429

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Islets, Pancreatic

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Carcinoma
    - Nephropathy
    - Rhabdomyosarcoma
    - Moderate
    - Metastatic (Skeletal Muscle)
  - [ Carcinoma TGLs = 1-6 ]
- \* Larynx
- \* Liver
  - Inflammation
  - Hepatocellular Adenoma
  - Hepatocholangiocarcinoma
  - Rhabdomyosarcoma
  - Chronic Active, Minimal
  - Metastatic (Skeletal Muscle)
  - [ Hepatocellular Adenoma TGLs = 2-5 ]
  - [ Hepatocholangiocarcinoma TGLs = 3-12 ]
- \* Lung
  - Rhabdomyosarcoma
  - Metastatic (Skeletal Muscle)
  - [ Rhabdomyosarcoma TGLs = 4,5,6,8,9,10,11,12-4 ]
- \* Lymph Node, Mediastinal
- \* Nose
  - Respirat Epith
  - Turbinate
  - Olfactory Epi
  - Rhabdomyosarcoma
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Metaplasia
  - Minimal
  - Mild
  - Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 429

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54152

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
Skeletal Muscle		Rhabdomyosarcoma	
[ Rhabdomyosarcoma	TGLs = 7-13 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Chronic Active, Mild
		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Skeletal Muscle Rhabdomyosarcoma



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Parathyroid Gland         | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |          |   |                               |                    |
|----------|---|-------------------------------|--------------------|
| * Heart  |   | Cardiomyopathy                | Mild               |
| * Kidney | Renal Tubule                              | Adenoma                       |                    |
|          | Renal Tubule                              | Carcinoma                     |                    |
|          | Renal Tubule                              | Hyperplasia                   | Mild               |
|          |   | Nephropathy                   | Moderate           |
|          | [ Adenoma TGLs = 2-6 ]                    |                               |                    |
|          | [ Carcinoma TGLs = 3-12 ]                 |                               |                    |
| * Liver  |   | Hepatocellular Adenoma        |                    |
|          |   | Hepatocellular Carcinoma      |                    |
|          | [ Hepatocellular Adenoma TGLs = 1-5 ]     |                               |                    |
|          | [ Hepatocellular Carcinoma TGLs = 2-5+6 ] |                               |                    |
| * Lung   |   | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose   | Olfactory Epi                             | Accumulation, Hyaline Droplet | Mild               |
|          | Respirat Epith                            | Accumulation, Hyaline Droplet | Mild               |
|          | Turbinate                                 | Atrophy                       | Mild               |
|          |   | Hyperostosis                  | Mild               |
|          | Respirat Epith                            | Hyperplasia                   | Minimal            |
|          | Olfactory Epi                             | Metaplasia                    | Respiratory, Mild  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54153

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Pancreas

Artery

Inflammation

Chronic Active, Marked

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- Subcapsular
- Renal Tubule
- Renal Tubule
- Renal Tubule
- [ Carcinoma TGLs = 2-6 ]
- [ Clear Cell Focus TGLs = 3-6 ]
- [ Hepatocellular Adenoma TGLs = 1-12+13 ]
- [ Alveolar/Bronchiolar Adenoma TGLs = 4-4 ]
- Turbinate
- Respirat Epith
- Olfactory Epi
- Adenoma
- Adenoma
- Carcinoma
- Hyperplasia
- Clear Cell Focus
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Minimal
- Mild
- Minimal
- Mild
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Testes
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
  - \* Heart
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 5-5 ]
    - [ Hepatocellular Carcinoma TGLs = 4-12 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4 ]
  - \* Nose
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Skin
    - [ Fibrous Histiocytoma TGLs = 1-13 ]
  - \* Spleen
- Hypertrophy  
Cardiomyopathy  
Nephropathy  
Hepatocellular Adenoma  
Hepatocellular Carcinoma
- Alveolar/Bronchiolar Carcinoma  
Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet  
Atrophy  
Hyperostosis  
Hyperplasia  
Metaplasia  
Fibrous Histiocytoma
- Hematopoietic Cell Proliferation
- Mild  
Minimal  
Moderate  
  
Metastatic (Liver)  
  
Minimal  
Mild  
Mild  
Minimal  
Respiratory, Mild  
  
Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54155

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hematopoietic Cell Proliferation TGLs = 3-5 ]

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Carcinoma
    - Cyst
    - Hyperplasia
  - Renal Tubule
    - [ Carcinoma TGLs = 4-17 ]
    - [ Cyst TGLs = 5-6 ]
- \* Liver
  - Clear Cell Focus
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - [ Hepatocellular Adenoma TGLs = 2,3-6+12 ]
  - [ Hepatocellular Carcinoma TGLs = 1-14+16 ]
- \* Nose
  - Hyperostosis
  - Hyperplasia
  - Metaplasia
  - Respirat Epith
  - Olfactory Epi
- \* Spleen
  - Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Skin
- \* Testes

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Nose
- \* Preputial Gland
- Renal Tubule
- Bilateral, Renal Tubule
- [ Carcinoma TGLs = 1,2-6 ]
- Respirat Epith
- Turbinate
- Respirat Epith
- Olfactory Epi
- Hypertrophy
- Adenoma
- Carcinoma
- Nephropathy
- Basophilic Focus
- Clear Cell Focus
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Inflammation
- Minimal
- Multiple
- Moderate
- Minimal
- Mild
- Moderate
- Minimal
- Respiratory, Mild
- Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          | * Preputial Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                                       |                         |                               |                      |
|---------------------------------------|-------------------------|-------------------------------|----------------------|
| * Adrenal Cortex                      |                         | Hyperplasia                   | Minimal              |
| * Harderian Gland                     |                         | Adenoma                       |                      |
| [ Adenoma TGLs = 3-11 ]               |                         |                               |                      |
| * Kidney                              | Renal Tubule            | Adenoma                       | Multiple             |
|                                       | Bilateral, Renal Tubule | Carcinoma                     | Multiple             |
|                                       | Renal Tubule            | Hyperplasia                   | Minimal              |
|                                       |                         | Nephropathy                   | Mild                 |
| [ Carcinoma TGLs = 2,4,5-6+8 ]        |                         |                               |                      |
| * Liver                               |                         | Hepatocellular Adenoma        | Multiple             |
| [ Hepatocellular Adenoma TGLs = 1-5 ] |                         |                               |                      |
| * Nose                                | Respirat Epith          | Accumulation, Hyaline Droplet | Minimal              |
|                                       | Turbinate               | Atrophy                       | Mild                 |
|                                       |                         | Hyperostosis                  | Mild                 |
|                                       | Respirat Epith          | Hyperplasia                   | Mild                 |
|                                       | Olfactory Epi           | Metaplasia                    | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 599

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | * Epididymis               | * Esophagus               | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    |
| * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Pancreas                  |
| * Pituitary Gland        | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- |                          |                 |                     |          |
|--------------------------|-----------------|---------------------|----------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland | * Thymus |
|--------------------------|-----------------|---------------------|----------|

OBSERVATIONS

- |                   |  |                               |                         |
|-------------------|--|-------------------------------|-------------------------|
| * Eye             | Cornea                                   | Inflammation                  | Chronic Active, Minimal |
| * Harderian Gland |  | Adenoma                       |                         |
|                   | [ Adenoma TGLs = 1-11 ]                  |                               |                         |
| * Heart           |  | Thrombosis                    | Moderate                |
| * Kidney          | Renal Tubule                             | Carcinoma                     |                         |
|                   |  | Nephropathy                   | Moderate                |
|                   | [ Carcinoma TGLs = 3-6 ]                 |                               |                         |
| * Liver           | [ Hepatocellular Carcinoma TGLs = 2-12 ] | Hepatocellular Carcinoma      |                         |
| * Lung            |  | Hepatocellular Carcinoma      | Metastatic (Liver)      |
|                   | Alveolus                                 | Infiltration Cellular         | Histiocyte, Minimal     |
| * Nose            | Olfactory Epi                            | Accumulation, Hyaline Droplet | Mild                    |
|                   | Turbinate                                | Atrophy                       | Mild                    |
|                   |  | Hyperostosis                  | Minimal                 |
|                   | Olfactory Epi                            | Metaplasia                    | Respiratory, Minimal    |
| * Testes          | Germinal Epith                           | Degeneration                  | Mild                    |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                           |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow             |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                     |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric   | * Pancreas                | * Pituitary Gland           | * Preputial Gland         |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Skin                    |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                  |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder         |

MISSING

- |                         |                          |                 |                     |
|-------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|-------------------------|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |          |  |  |   |
|----------|--|--|---|
| * Kidney | Renal Tubule                           | Hyperplasia<br>Nephropathy                 | Minimal<br>Mild                             |
| * Liver  | [ Hepatocellular Adenoma TGLs = 1-12 ] | Clear Cell Focus<br>Hepatocellular Adenoma | Multiple                                    |
| * Lung   |  | Alveolar/Bronchiolar Adenoma               |   |
| * Nose   | Respirat Epith<br>Turbinat             | Accumulation, Hyaline Droplet<br>Atrophy   | Minimal<br>Mild                             |
|          | Respirat Epith<br>Olfactory Epi        | Hyperostosis<br>Hyperplasia<br>Metaplasia  | Minimal<br>Moderate<br>Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex Hyperplasia Minimal
- \* Intestine Small, Duodenum Adenoma
  - [ Adenoma TGLs = 3-14 ]
- \* Kidney Carcinoma
  - Renal Tubule Hyperplasia Minimal
  - Renal Tubule Metaplasia Osseous, Mild
  - Nephropathy Mild
- [ Carcinoma TGLs = 4,5-6 ]
- \* Liver Hepatocellular Adenoma Multiple
  - [ Hepatocellular Adenoma TGLs = 1,2-5+12 ]
- \* Nose Accumulation, Hyaline Droplet Mild
  - Olfactory Epi Atrophy Mild
  - Turbinate Hyperostosis Moderate
  - Respirat Epith Hyperplasia Mild
  - Olfactory Epi Metaplasia Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |                  |                             |                               |                     |
|------------------|-----------------------------|-------------------------------|---------------------|
| * Adrenal Cortex |                             | Hyperplasia                   | Minimal             |
|                  |                             | Hypertrophy                   | Minimal             |
| * Kidney         | Renal Tubule                | Carcinoma                     | Multiple            |
|                  |                             | Nephropathy                   | Minimal             |
|                  | [ Carcinoma TGLs = 1-6+12 ] |                               |                     |
| * Lung           | Alveolus                    | Infiltration Cellular         | Histiocyte, Minimal |
| * Nose           | Olfactory Epi               | Accumulation, Hyaline Droplet | Minimal             |
|                  | Turbinate                   | Atrophy                       | Mild                |
|                  |                             | Hyperostosis                  | Mild                |
|                  | Respirat Epith              | Hyperplasia                   | Minimal             |
|                  | Olfactory Epi               | Metaplasia                    | Respiratory, Mild   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
    - [ Adenoma TGLs = 3-11 ]
  - \* Kidney
    - Renal Tubule
    - Renal Tubule
    - [ Carcinoma TGLs = 2-12 ]
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 1-14 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Adenoma TGLs = 4-6 ]
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 5-4 ]
  - \* Nose
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Prostate
    - Adenoma
    - Carcinoma
    - Hyperplasia
    - Nephropathy
    - Hepatocellular Adenoma
    - Alveolar/Bronchiolar Adenoma
    - Alveolar/Bronchiolar Carcinoma
    - Accumulation, Hyaline Droplet
    - Atrophy
    - Hyperostosis
    - Hyperplasia
    - Metaplasia
    - Inflammation
- Minimal  
Mild  
Minimal  
Moderate  
Minimal  
Respiratory, Mild  
Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54164

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ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Stomach, Forestomach

Hyperplasia

Squamous, Marked

[ Hyperplasia TGLs = 6-9 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex Hypertrophy Minimal
- \* Intestine Small, Jejunum Lymphoma Malignant  
  - [ Lymphoma Malignant TGLs = 5-13 ]
- \* Kidney Adenoma  
  - Renal Tubule Carcinoma
  - Bilateral, Renal Tubule Hyperplasia
  - Renal Tubule Multiple
  - [ Carcinoma TGLs = 2,3,8-6+13 ] Marked
- \* Liver Clear Cell Focus  
  - [ Hepatocellular Adenoma TGLs = 6,7-5+12 ] Hepatocellular Adenoma
  - Multiple
- \* Lung Alveolar/Bronchiolar Carcinoma  
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- \* Nose Atrophy Mild  
  - Turbinate Hyperostosis
  - Minimal
  - Respirat Epith Hyperplasia
  - Olfactory Epi Minimal
  - Respiratory, Minimal
- \* Stomach, Forestomach Metaplasia Squamous, Mild  
  - Hyperplasia Chronic Active, Mild
  - Inflammation

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54165

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 4-9 ]

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Harderian Gland [ Hyperplasia TGLs = 3-11 ] Hyperplasia Mild
- \* Kidney [ Carcinoma TGLs = 1,4-6+12+13 ] Bilateral, Renal Tubule Carcinoma Nephropathy Mild
- \* Liver [ Cyst TGLs = 2-5 ] Clear Cell Focus Cyst Moderate
- \* Nose
  - Olfactory Epi Accumulation, Hyaline Droplet Minimal
  - Respirat Epith Accumulation, Hyaline Droplet Minimal
  - Turbinate Atrophy Mild
  - Hyperostosis Mild
  - Respirat Epith Hyperplasia Minimal
  - Olfactory Epi Metaplasia Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Mandibular | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                         |                 |
|-------------------------|-----------------|
| * Lymph Node, Bronchial | * Mammary Gland |
|-------------------------|-----------------|

OBSERVATIONS

- |          |   |                                |                     |
|----------|---|--------------------------------|---------------------|
| * Heart  |   | Cardiomyopathy                 | Minimal             |
| * Kidney | Bilateral, Renal Tubule                         | Carcinoma                      |                     |
|          | Renal Tubule                                    | Hyperplasia                    | Minimal             |
|          | [ Carcinoma TGLs = 3,4-6 ]                      | Nephropathy                    | Moderate            |
| * Liver  |   | Carcinoma                      | Metastatic (Testes) |
|          | [ Carcinoma TGLs = 6-5 ]                        | Hepatocellular Adenoma         |                     |
|          | [ Hepatocellular Adenoma TGLs = 8-13 ]          | Hepatocellular Carcinoma       | Multiple            |
|          | [ Hepatocellular Carcinoma TGLs = 5,7-12+14 ]   |                                |                     |
| * Lung   |   | Alveolar/Bronchiolar Adenoma   |                     |
|          |   | Alveolar/Bronchiolar Carcinoma |                     |
|          | Alveolus  | Infiltration Cellular          | Histiocyte, Mild    |
|          | [ Alveolar/Bronchiolar Carcinoma TGLs = 1,2-4 ] |                                |                     |
| * Nose   | Olfactory Epi                                   | Accumulation, Hyaline Droplet  | Mild                |
|          | Respirat Epith                                  | Accumulation, Hyaline Droplet  | Minimal             |
|          | Turbinates                                      | Atrophy                        | Mild                |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54167

ORGAN AND ACCOUNTABLE SITE STATUS

Hyperostosis

Mild

Respirat Epith

Hyperplasia

Minimal

Olfactory Epi

Metaplasia

Respiratory, Mild

Carcinoma

\* Testes

[ Carcinoma TGLs = 9-8 ]

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 10 = NCL

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 509

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Pituitary Gland        | * Preputial Gland          | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |

MISSING

- |                         |                          |                 |                     |
|-------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|-------------------------|--------------------------|-----------------|---------------------|

OBSERVATIONS

- |                   |   |                                  |                          |
|-------------------|---|----------------------------------|--------------------------|
| * Adrenal Cortex  |   | Hypertrophy                      | Minimal                  |
| * Heart           |   | Cardiomyopathy                   | Minimal                  |
| * Kidney          | Transit Epithe                                  | Hyperplasia                      | Minimal                  |
|                   | [ Inflammation TGLs = 5-6 ]                     | Inflammation                     | Chronic Active, Moderate |
| * Liver           |   | Hepatocellular Adenoma           |                          |
|                   | [ Hepatocellular Adenoma TGLs = 2-5 ]           |                                  |                          |
| Mesentery         | Fat   | Necrosis                         | Mild                     |
|                   | [ Necrosis TGLs = 4-6 ]                         |                                  |                          |
| * Nose            | Turbinate                                       | Atrophy                          | Mild                     |
|                   |   | Hyperostosis                     | Mild                     |
|                   | Olfactory Epi                                   | Metaplasia                       | Respiratory, Minimal     |
| * Prostate        |   | Inflammation                     | Chronic Active, Mild     |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate                 |
|                   | [ Hematopoietic Cell Proliferation TGLs = 3-5 ] |                                  |                          |
| * Urinary Bladder | Transit Epithe                                  | Hyperplasia                      | Minimal                  |

PRIMARY CAUSE OF DEATH - Kidney Inflammation

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 532

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- Blood Vessel
- Thrombosis
- Moderate
- \* Kidney
- Nephropathy
- Marked
- [ Nephropathy TGLs = 2-6 ]
- \* Liver
- Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 1-5 ]
- \* Nose
- Turbinate
- Atrophy
- Moderate
- Hyperostosis
- Minimal
- Olfactory Epi
- Metaplasia
- Respiratory, Mild
- \* Stomach, Glandular
- Necrosis
- Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 704

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Testes
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Kidney
- \* Liver
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Urinary Bladder
- Hypertrophy
- Cardiomyopathy
- Hyperplasia
- Infarct
- Nephropathy
- Basophilic Focus
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Inflammation
- Inflammation
- Necrosis
- Hyperplasia
- Mild
- Minimal
- Moderate
- Minimal
- Minimal
- Mild
- Mild
- Moderate
- Mild
- Mild
- Respiratory, Mild
- Chronic Active, Mild
- Chronic Active, Minimal
- Mild
- Mild

[ Hepatocellular Carcinoma TGLs = 1-12+13 ]

[ Hyperplasia TGLs = 3-9 ]

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 602

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 704

**DOSE:** 25 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 54020

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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TDMS No. 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Vinylidene chloride  
 CAS Number: 75-35-4

Date Report Requested: 04/14/2011  
 Time Report Requested: 10:17:53  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54021

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Thymus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
		Hypertrophy	Mild
* Heart	Artery	Inflammation	Chronic Active, Mild
* Kidney		Hydronephrosis	Mild
		Nephropathy	Marked
	[ Hydronephrosis TGLs = 5-6 ]		
	[ Nephropathy TGLs = 4-6 ]		
* Liver	[ Hepatocellular Carcinoma TGLs = 1-12+13+14 ]	Hepatocellular Carcinoma	
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Minimal
	Turbinate	Atrophy	Moderate
		Hyperostosis	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Olfactory Epi	Necrosis	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Germinal Epith	Degeneration	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

---

**ANIMAL ID:** 603

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 705

**DOSE:** 25 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 54021

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                          |                            |                          |
|---------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Cortex          | Blood Vessel             | * Bone                     | * Bone Marrow            |
| * Brain                   | * Epididymis             | * Esophagus                | * Eye                    |
| * Gallbladder             | * Harderian Gland        | * Intestine Large, Cecum   | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic     |
| * Larynx                  | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas               |
| * Parathyroid Gland       | * Pituitary Gland        | * Preputial Gland          | * Prostate               |
| * Salivary Glands         | * Seminal Vesicle        | * Spleen                   | * Stomach, Glandular     |
| * Testes                  | * Thyroid Gland          | * Trachea                  | * Urinary Bladder        |

MISSING

- |                         |                 |          |
|-------------------------|-----------------|----------|
| * Lymph Node, Bronchial | * Mammary Gland | * Thymus |
|-------------------------|-----------------|----------|

OBSERVATIONS

- |   |                         |                                |                   |
|---|-------------------------|--------------------------------|-------------------|
| * Adrenal Medulla                             |                         | Hyperplasia                    | Mild              |
| * Heart                                       |                         | Cardiomyopathy                 | Mild              |
| * Intestine Small, Duodenum                   |                         | Carcinoma                      |                   |
| [ Carcinoma TGLs = 5-15 ]                     |                         |                                |                   |
| * Kidney                                      | Renal Tubule            | Adenoma                        |                   |
|   |                         | Hydronephrosis                 | Mild              |
|   |                         | Nephropathy                    | Marked            |
| * Liver                                       |                         | Hepatocellular Carcinoma       | Multiple          |
| [ Hepatocellular Carcinoma TGLs = 3,4-12+13 ] |                         |                                |                   |
| * Lung  |                         | Alveolar/Bronchiolar Carcinoma |                   |
|   | Alveolar Epith          | Hyperplasia                    | Moderate          |
| [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4 ] |                         |                                |                   |
| * Lymph Node, Mediastinal                     |                         | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung) |
| * Nose  | Olfactory Epi Turbinate | Accumulation, Hyaline Droplet  | Minimal           |
|   |                         | Atrophy                        | Moderate          |
|   |                         | Hyperostosis                   | Mild              |
|   | Olfactory Epi           | Metaplasia                     | Respiratory, Mild |
| * Skin  |                         | Necrosis                       | Mild              |
| [ Necrosis TGLs = 1-14 ]                      |                         |                                |                   |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 604

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 25 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 54022

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach

Hyperplasia

Squamous, Mild

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Heart
- Cardiomyopathy
- Minimal
- \* Kidney
- Renal Tubule
- Hyperplasia
- Minimal
- 
- Nephropathy
- Mild
- \* Liver
- Clear Cell Focus
- Cyst
- Marked
- Hepatocellular Carcinoma
- Multiple
- [ Clear Cell Focus TGLs = 4,6-15 ]
- [ Cyst TGLs = 3-12 ]
- [ Hepatocellular Carcinoma TGLs = 1,2,5,7-5+13+14 ]
- \* Lung
- Alveolar/Bronchiolar Adenoma
- \* Nose
- Accumulation, Hyaline Droplet
- Olfactory Epi
- Atrophy
- Moderate
- Turbinate
- Hyperostosis
- Mild
- Respirat Epih
- Hyperplasia
- Mild
- Olfactory Epi
- Metaplasia
- Respiratory, Mild
- \* Pituitary Gland
- Pars Distalis
- Hyperplasia
- Minimal
- \* Stomach, Forestomach
- Hyperplasia
- Squamous, Mild
- Inflammation
- Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54023

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 8-9 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Harderian Gland
    - [ Adenoma TGLs = 1-12 ]
  - \* Kidney
    - [ Carcinoma TGLs = 4-13+14 ]
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 2-16 ]
    - [ Hepatocellular Carcinoma TGLs = 2,3-16+17 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
- Adenoma
- Carcinoma
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Inflammation
- Metaplasia
- Minimal
- Multiple
- Moderate
- Mild
- Mild
- Suppurative, Minimal
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Larynx
- \* Mammary Gland
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Thyroid Gland

OBSERVATIONS

- \* Kidney
  - Bilateral, Renal Tubule Carcinoma
  - [ Carcinoma TGLs = 4,5-6+17+18 ]
- \* Liver
  - Basophilic Focus
  - Eosinophilic Focus
  - Hepatocellular Adenoma
  - Hepatocholangiocarcinoma
  - [ Hepatocellular Adenoma TGLs = 3-6 ]
  - [ Hepatocholangiocarcinoma TGLs = 2-14+15 ]
- \* Lung
  - Alveolar/Bronchiolar Adenoma
  - Alveolar/Bronchiolar Carcinoma
  - Hyperplasia
  - Infiltration Cellular
  - Alveolar Epith
  - Alveolus
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-12 ]
- \* Lymph Node, Mesenteric
  - Inflammation
  - Granulomatous, Moderate
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Foreign Body
  - Mild
  - Histiocyte, Mild
  - Minimal
  - Moderate

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54025

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperostosis	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Chronic Active, Mild

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 537

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Nose
- \* Spleen
- \* Urinary Bladder
- Hypertrophy
- Carcinoma
- Nephropathy
- Hemangiosarcoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Necrosis
- Hematopoietic Cell Proliferation
- Necrosis
- Minimal
- Mild
- Minimal
- Moderate
- Mild
- Minimal
- Respiratory, Mild
- Minimal
- Moderate
- Minimal

PRIMARY CAUSE OF DEATH - Kidney Bilateral Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 471

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Nose
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3,5-12 ]
- [ Hepatocellular Carcinoma TGLs = 1,2-5+6 ]
- [ Necrosis TGLs = 6-13 ]
- \* Stomach, Forestomach
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Necrosis
- Hyperplasia
- Minimal
- Multiple
- Multiple
- Mild
- Squamous, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Parathyroid Gland
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- Renal Tubule
- Capsule
- [ Carcinoma TGLs = 4-6 ]
- [ Hepatocellular Carcinoma TGLs = 3-5 ]
- [ Sarcoma TGLs = 6-12 ]
- [ Hyperplasia TGLs = 1-4 ]
- [ Sarcoma TGLs = 2-5 ]
- Alveolar Epith
- Pancreatic
- Turbinate
- Respirat Epith
- Sarcoma
- Carcinoma
- Nephropathy
- Sarcoma
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Necrosis
- Sarcoma
- Hyperplasia
- Sarcoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metastatic (Stomach, Glandular)
- Mild
- Metastatic (Stomach, Glandular)
- Marked
- Metastatic (Stomach, Glandular)
- Mild
- Metastatic (Stomach, Glandular)
- Moderate
- Mild
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54028

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pancreas		Sarcoma	Metastatic (Stomach, Glandular)
* Stomach, Glandular		Sarcoma	
[ Sarcoma TGLs = 7-9 ]			

PRIMARY CAUSE OF DEATH - Stomach, Glandular Sarcoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Rectum
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Gallbladder
- \* Thymus
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Eye [ Necrosis TGLs = 3-11 ] Necrosis Moderate
- \* Harderian Gland [ Adenoma TGLs = 2-11 ] Adenoma
- \* Heart Cardiomyopathy Mild  
Thrombosis Moderate
- \* Islets, Pancreatic Hyperplasia Mild
- \* Kidney Nephropathy Moderate
- \* Liver Hepatocellular Adenoma TGLs = 5,6,7-5+6 ] Multiple
- \* Lung Alveolar/Bronchiolar Carcinoma Infiltration Cellular Histiocyte, Mild
- \* Nose [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]  
Alveolus  
Olfactory Epi Turbinate Accumulation, Hyaline Droplet Minimal  
Atrophy Moderate  
Hyperostosis Moderate  
Respirat Epith Hyperplasia Mild  
Olfactory Epi Metaplasia Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54029

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Olfactory Epi	Necrosis	Minimal
[ Hematopoietic Cell Proliferation	TGLs = 4-5 ]	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 548

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Bone Marrow
- \* Kidney [ Carcinoma TGLs = 4-6 ]
- \* Liver
- \* Lung [ Alveolar/Bronchiolar Adenoma TGLs = 1-4 ] [ Hyperplasia TGLs = 2-4 ]
- \* Nose
- Skeletal Muscle [ Hemangiosarcoma TGLs = 7-12 ]
- Renal Tubule
- Alveolar Epith
- Respirat Epith Turbinate
- Respirat Epith
- Olfactory Epi
- Hemangiosarcoma
- Carcinoma
- Necrosis
- Alveolar/Bronchiolar Adenoma
- Hyperplasia
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hemangiosarcoma
- Minimal
- Moderate
- Minimal
- Moderate
- Moderate
- Mild
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 548

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54030

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Spleen

Hemangiosarcoma

[ Hemangiosarcoma TGLs = 3-5 ]

---

PRIMARY CAUSE OF DEATH - Skeletal Muscle Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Adenoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Esophagus
- \* Lymph Node, Mediastinal
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Harderian Gland
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Brain
- \* Heart
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Epididymis
- \* Lymph Node, Bronchial
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Pituitary Gland

AUTO PRECLUDES DIAG.

- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Pancreas
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Medulla
- \* Bone Marrow
- \* Kidney
- Note: TGL=5-NCL  
[ Carcinoma TGLs = 9-6 ]
- \* Larynx
- \* Liver
- [ Hemangiosarcoma TGLs = 8-5 ]  
[ Hepatocellular Adenoma TGLs = 7-5 ]  
[ Hepatocellular Carcinoma TGLs = 6-6 ]
- \* Lung
- Renal Tubule
- Squam Epithel
- Pheochromocytoma Benign
- Hemangiosarcoma
- Carcinoma
- Nephropathy
- Inflammation
- Necrosis
- Hemangiosarcoma
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Alveolar/Bronchiolar Adenoma
- Hepatocellular Carcinoma
- Minimal
- Minimal
- Minimal
- Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54031

ORGAN AND ACCOUNTABLE SITE STATUS

[ Alveolar/Bronchiolar Adenoma TGLs = 2-4 ]

[ Hepatocellular Carcinoma TGLs = 1-4 ]

\* Nose

Turbinates

Atrophy

Mild

Hyperostosis

Mild

Respirat Epith

Hyperplasia

Minimal

Olfactory Epi

Metaplasia

Respiratory, Mild

Olfactory Epi

Necrosis

Minimal

\* Spleen

Hemangiosarcoma

[ Hemangiosarcoma TGLs = 4-5 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hemangiosarcoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Hyperplasia
  - Hypertrophy
 Minimal  
Mild
- \* Kidney
  - Renal Tubule
    - Adenoma
    - Cyst
 Mild
  - Renal Tubule
    - Hyperplasia
    - Nephropathy
 Marked  
Mild
- \* Liver
  - [ Adenoma TGLs = 10-6 ]
  - [ Cyst TGLs = 9-6 ]
  - Basophilic Focus
  - Clear Cell Focus
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
 Multiple
- \* Lung
  - [ Basophilic Focus TGLs = 6-5 ]
  - [ Hepatocellular Adenoma TGLs = 3,4,5-5+16 ]
  - [ Hepatocellular Carcinoma TGLs = 2-12 ]
  - Alveolar/Bronchiolar Adenoma
- \* Nose
  - [ Alveolar/Bronchiolar Adenoma TGLs = 12-4 ]
  - Turbinate
  - Atrophy
 Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54032

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperostosis	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Hemangiosarcoma	
	[ Hemangiosarcoma TGLs = 8-14 ]		
* Testes		Hemangioma	
	[ Hemangioma TGLs = 1-8 ]		

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 525

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Spleen
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Testes
- \* Bone
- \* Esophagus
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Harderian Gland
- \* Lung
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Eye
- \* Intestine Large, Rectum
- \* Pancreas
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Stomach, Forestomach
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Stomach, Glandular
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Urinary Bladder

OBSERVATIONS

- \* Kidney
  - Renal Tubule
  - Adenoma
  - Nephropathy
- [ Adenoma TGLs = 3-6 ]
- \* Liver
  - Hepatocellular Adenoma
- [ Hepatocellular Adenoma TGLs = 1,2-5 ]
- \* Nose
  - Olfactory Epi
  - Turbinate
  - Respirat Epith
  - Olfactory Epi
- \* Seminal Vesicle
  - Dilatation
- [ Dilatation TGLs = 4-9 ]
- Adenoma
- Nephropathy
- Hepatocellular Adenoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Dilatation
- Minimal
- Multiple
- Mild
- Mild
- Mild
- Minimal
- Respiratory, Mild
- Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Renal Tubule Adenoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Colon
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Urinary Bladder
- \* Brain
- \* Heart
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex
- \* Eye
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- Renal Tubule
- [ Adenoma TGLs = 4-6 ]
- [ Hepatocellular Carcinoma TGLs = 2-5 ]
- [ Necrosis TGLs = 1,3,5-5+6+12 ]
- Turbinate
- Olfactory Epi
- Respirat Epith
- Hyperplasia
- Cataract
- Inflammation
- Adenoma
- Nephropathy
- Hepatocellular Carcinoma
- Necrosis
- Inflammation
- Atrophy
- Foreign Body
- Hyperostosis
- Inflammation
- Metaplasia
- Necrosis
- Mild
- Mild
- Suppurative, Minimal
- Mild
- Moderate
- Chronic Active, Mild
- Mild
- Mild
- Suppurative, Mild
- Respiratory, Mild
- Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54034

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Necrosis	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Necrosis	Minimal
* Stomach, Glandular		Necrosis	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 635

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Hepatocellular Carcinoma TGLs = 1-6 ]
- \* Lung
- \* Nose
- \* Stomach, Forestomach
- Nephropathy
- Eosinophilic Focus
- Hepatocellular Carcinoma
- Hyperplasia
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Ulcer
- Mild
- Minimal
- Minimal
- Mild
- Moderate
- Mild
- Respiratory, Mild
- Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 563

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54036

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        |
| * Preputial Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

**MISSING**

- |                         |                          |                 |                     |
|-------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
| * Thymus                |                          |                 |                     |

**OBSERVATIONS**

- |          |   |                                  |                      |
|----------|---|----------------------------------|----------------------|
| * Kidney |   | Nephropathy                      | Moderate             |
| * Liver  |   | Hepatocellular Carcinoma         |                      |
|          | [ Hepatocellular Carcinoma TGLs = 4-12 ]        |                                  |                      |
| * Nose   | Turbinate                                       | Atrophy                          | Mild                 |
|          |   | Hyperostosis                     | Minimal              |
|          | Olfactory Epi                                   | Metaplasia                       | Respiratory, Minimal |
| * Skin   |   | Necrosis                         | Mild                 |
|          | [ Necrosis TGLs = 1,2-6+13 ]                    |                                  |                      |
| * Spleen |   | Hematopoietic Cell Proliferation | Moderate             |
|          | [ Hematopoietic Cell Proliferation TGLs = 3-5 ] |                                  |                      |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
  - Renal Tubule
  - [ Carcinoma TGLs = 1-12 ]
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 2-5 ]
  - Hepatocellular Adenoma
- \* Lung
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 3-4 ]
  - Alveolar/Bronchiolar Carcinoma
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Respirat Epith
  - Olfactory Epi
- Tooth
  - Carcinoma
  - Hyperplasia
  - Nephropathy
  - Minimal
  - Mild
  - Hyperplasia
  - Metaplasia
  - Dysplasia
  - Minimal
  - Mild
  - Mild
  - Minimal
  - Respiratory, Mild
  - Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Adenoma
    - Nephropathy
  - [ Adenoma TGLs = 4-12 ]
  - [ Nephropathy TGLs = 3-6 ]
- \* Liver
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - [ Hepatocellular Adenoma TGLs = 2-6 ]
  - [ Hepatocellular Carcinoma TGLs = 1-5 ]
- \* Nose
  - Turbinate
    - Atrophy
    - Hyperostosis
  - Respirat Epith
    - Hyperplasia
  - Olfactory Epi
    - Metaplasia

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Bone  
Fibrous Osteodystrophy
- \* Harderian Gland  
Adenoma
- [ Adenoma TGLs = 2-11 ]
- \* Heart  
Cardiomyopathy Minimal
- \* Kidney  
Renal Tubule Adenoma
- Renal Tubule Hyperplasia Moderate
- Nephropathy Mild
- \* Liver  
Eosinophilic Focus
- Hepatocellular Adenoma Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 3-5 ]
- [ Hepatocellular Carcinoma TGLs = 4-14 ]
- \* Lung  
Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1-13 ]
- \* Nose  
Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinat Atrophy Moderate
- Hyperostosis Moderate
- Respirat Epith Hyperplasia Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54039

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Stomach, Forestomach

Olfactory Epi

Metaplasia

Respiratory, Mild

Hyperplasia

Squamous, Mild

Inflammation

Chronic Active, Mild

[ Hyperplasia TGLs = 5-9 ]

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Harderian Gland
- \* Heart
- \* Kidney
  - Renal Tubule
  - Adenoma
  - Cardiomyopathy
  - Carcinoma
  - Nephropathy
  - Mild
  - Moderate
- \* Liver
  - [ Carcinoma TGLs = 7-6 ]
  - [ Hepatocellular Carcinoma TGLs = 6-13 ]
  - Hepatocellular Carcinoma
- \* Lung
  - Serosa
  - [ Hepatocellular Carcinoma TGLs = 2,3,4,5,8-4+14 ]
  - Hepatocellular Carcinoma
  - Hyperplasia
  - Metastatic (Liver)
  - Mild
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Inflammation
  - Suppurative, Minimal
- \* Skin
  - Olfactory Epi
  - Subcut Tiss
  - Metaplasia
  - Schwannoma Malignant
  - Respiratory, Mild
- \* Stomach, Forestomach
  - [ Schwannoma Malignant TGLs = 1-12 ]
  - Ulcer
  - Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 673

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54040

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Kidney [ Carcinoma TGLs = 1,2-6+12+13 ] Bilateral, Renal Tubule Carcinoma
- \* Liver [ Hepatocellular Adenoma TGLs = 4-5 ] Hepatocellular Adenoma
- \* Nose Turbinate Atrophy Mild
- Respirat Epith Hyperostosis Minimal
- Olfactory Epi Hyperplasia Minimal
- Interstit Cell Metaplasia Respiratory, Minimal
- Adenoma Adenoma
- [ Adenoma TGLs = 3-8 ]

PRIMARY CAUSE OF DEATH - Kidney Bilateral Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
  - \* Heart
  - \* Kidney
    - Renal Tubule
    - Renal Tubule
  - [ Carcinoma TGLs = 3-16+17 ]
  - \* Liver
    - Hypertrophy
    - Cardiomyopathy
    - Adenoma
    - Carcinoma
    - Nephropathy
    - Hepatocellular Adenoma
    - Hepatocellular Carcinoma
    - Mixed Cell Focus
  - [ Hepatocellular Adenoma TGLs = 2-14 ]
  - [ Hepatocellular Carcinoma TGLs = 1-12 ]
  - \* Lymph Node, Mesenteric
    - Angiectasis
  - [ Angiectasis TGLs = 4-7 ]
  - \* Nose
    - Turbinate
    - Atrophy
    - Foreign Body
    - Hyperostosis
    - Inflammation
    - Metaplasia
    - Olfactory Epi
- Mild  
Minimal  
Minimal  
Moderate  
Moderate  
Moderate  
Suppurative, Minimal  
Respiratory, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 632

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Gallbladder
- \* Parathyroid Gland
- \* Lymph Node, Bronchial
- \* Thymus
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 1-6 ]
- \* Nose
- \* Spleen
- Hypertrophy
- Nephropathy
- Hepatocellular Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hyperplasia
- Mild
- Minimal
- Moderate
- Mild
- Minimal
- Respiratory, Mild
- Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 693

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone Marrow
- \* Brain
- \* Eye
- \* Heart
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lung
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Preputial Gland
- \* Prostate
- \* Skin
- \* Spleen
- \* Thyroid Gland
- \* Trachea
- Blood Vessel
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Salivary Glands
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Nose
- \* Stomach, Forestomach
- \* Stomach, Glandular
- Renal Tubule
- Respirat Epith
- Adenoma
- Hyperplasia
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Hepatocellular Adenoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Inflammation
- Necrosis
- Minimal
- Moderate
- Multiple
- Moderate
- Mild
- Mild
- Squamous, Mild
- Chronic Active, Minimal
- Minimal

[ Hepatocellular Adenoma TGLs = 1,2,3-6+12+13 ]

[ Hyperplasia TGLs = 4-14 ]

[ Necrosis TGLs = 5-14 ]

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

---

**ANIMAL ID:** 626

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 693

**DOSE:** 25 ppm

**DISP:** Natural Death

**HISTO:** 54044

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 563

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Prostate
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Testes
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Larynx
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Medulla
- \* Heart
- \* Intestine Small, Duodenum  
[ Carcinoma TGLs = 13-12 ]
- \* Kidney
- \* Liver  
[ Hepatocellular Adenoma TGLs = 9,10-5 ]  
[ Hepatocellular Carcinoma TGLs = 11-12 ]  
[ Hepatocholangiocarcinoma TGLs = 12-6 ]
- \* Lung  
[ Hepatocellular Carcinoma TGLs = 14-17 ]  
[ Hepatocholangiocarcinoma TGLs = 2,3,4,5,6,7,15,16-4+14+15+16 ]
- \* Lymph Node, Mesenteric
- \* Nose
- Hyperplasia
- Cardiomyopathy
- Carcinoma
- Hepatocellular Carcinoma
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocholangiocarcinoma
- Carcinoma
- Hepatocellular Carcinoma
- Hepatocholangiocarcinoma
- Carcinoma
- Atrophy
- Mild
- Minimal
- Metastatic (Liver)
- Mild
- Multiple
- Metastatic (Intestine Small, Duodenum)
- Metastatic (Liver)
- Metastatic (Liver)
- Metastatic (Intestine Small, Duodenum)
- Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 563

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54045

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperostosis	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Skin		Necrosis	Mild
	[ Necrosis TGLs = 1-13 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLs = 8-5 ]		

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 601

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Brain
  - Artery
    - Hemorrhage
    - Inflammation
  - [ Hemorrhage TGLs = 4-1 ]
    - Mild
    - Chronic Active, Mild
- \* Heart
  - Artery
    - Cardiomyopathy
    - Inflammation
  - Mild
  - Chronic Active, Mild
- \* Kidney
  - Nephropathy
  - Minimal
- \* Liver
  - [ Hepatocellular Carcinoma TGLs = 1-12 ]
    - Hepatocellular Carcinoma
- \* Nose
  - Turbinate
    - Atrophy
    - Hyperostosis
  - Moderate
  - Minimal
  - Respirat Epith
    - Hyperplasia
    - Metaplasia
  - Respiratory, Minimal
- \* Stomach, Forestomach
  - Inflammation
  - Chronic Active, Mild
  - [ Squamous Cell Papilloma TGLs = 3-9 ]
    - Squamous Cell Papilloma

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

---

**ANIMAL ID:** 628

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 601

**DOSE:** 25 ppm

**DISP:** Natural Death

**HISTO:** 54046

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

---

Animal Note: TGL 2 = NCL

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 663

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Larynx
- \* Liver
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Islets, Pancreatic Hyperplasia Mild
- \* Kidney Carcinoma  
Nephropathy Minimal
- [ Carcinoma TGLs = 1,2-6+12+13+14 ]
- \* Nose Accumulation, Hyaline Droplet Minimal  
Atrophy Moderate  
Hyperostosis Minimal  
Respirat Epith Hyperplasia Minimal  
Turbinate Metaplasia Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Kidney Bilateral Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54048

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ORGAN AND ACCOUNTABLE SITE STATUS

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	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Marked
	[ Inflammation TGLs = 2-9 ]		
* Testes	Interstit Cell	Hyperplasia	Mild

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 425

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54049

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Trachea

Epithelium

Inflammation

Suppurative, Minimal

Necrosis

Minimal

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lymph Node, Mediastinal  |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                         |                          |                 |          |
|-------------------------|--------------------------|-----------------|----------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Thymus |
|-------------------------|--------------------------|-----------------|----------|

OBSERVATIONS

- |                   |                                   |                              |                      |
|-------------------|-----------------------------------|------------------------------|----------------------|
| * Harderian Gland |                                   | Adenoma                      |                      |
| * Kidney          | Bilateral, Renal Tubule           | Carcinoma                    |                      |
|                   | Renal Tubule                      | Hyperplasia                  | Minimal              |
|                   | [ Carcinoma TGLs = 3,4-12+13+14 ] |                              |                      |
| * Lung            |                                   | Alveolar/Bronchiolar Adenoma |                      |
|                   | Alveolus                          | Infiltration Cellular        | Histiocyte, Moderate |
| * Nose            |                                   | Hyperostosis                 | Mild                 |
|                   | Olfactory Epi                     | Metaplasia                   | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
  - Renal Tubule
  - [ Adenoma TGLs = 4,5-6 ]
- \* Liver
  - Adenoma
  - Hyperplasia
  - Nephropathy
  - Moderate
  - Moderate
  - Clear Cell Focus
  - Eosinophilic Focus
  - Hepatocellular Carcinoma
  - [ Eosinophilic Focus TGLs = 3-5 ]
  - [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Foreign Body
  - Hyperostosis
  - Respirat Epith
  - Hyperplasia
  - Inflammation
  - Olfactory Epi
  - Metaplasia
  - Mild
  - Minimal
  - Moderate
  - Mild
  - Moderate
  - Suppurative, Mild
  - Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 634

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Kidney
- Nephropathy
- Mild
- \* Liver
- Hepatocellular Adenoma
- Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 1,3-5+6 ]
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Nose
- Turbinate
- Atrophy
- Moderate
- Hyperostosis
- Mild
- Respirat Epith
- Hyperplasia
- Minimal
- Olfactory Epi
- Metaplasia
- Respiratory, Mild
- \* Stomach, Forestomach
- Hyperplasia
- Squamous, Mild
- [ Hyperplasia TGLs = 4-9 ]
- \* Stomach, Glandular
- Necrosis
- Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 527

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Gallbladder               | * Harderian Gland        | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  |
| * Lymph Node, Mediastinal   | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Spleen                    | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |                             |                |                      |
|--------------------------|-----------------------------|----------------|----------------------|
| * Heart                  |                             | Cardiomyopathy | Minimal              |
| * Intestine Large, Cecum | Artery                      | Inflammation   | Mild                 |
| * Kidney                 |                             | Cyst           | Marked               |
|                          | Renal Tubule                | Hyperplasia    | Mild                 |
|                          |                             | Nephropathy    | Mild                 |
|                          | [ Cyst TGLs = 1-6 ]         |                |                      |
| * Larynx                 | Artery                      | Inflammation   | Chronic Active, Mild |
| Lymph Node               | Lumbar                      | Hyperplasia    | Lymphoid, Moderate   |
|                          | [ Hyperplasia TGLs = 2-12 ] |                |                      |
| * Lymph Node, Mesenteric | Artery                      | Inflammation   | Chronic Active, Mild |
| * Nose                   | Turbinate                   | Atrophy        | Moderate             |
|                          |                             | Hyperostosis   | Mild                 |
|                          | Respirat Epith              | Hyperplasia    | Minimal              |
|                          | Olfactory Epi               | Metaplasia     | Respiratory, Minimal |
| * Prostate               | Artery                      | Inflammation   | Chronic Active, Mild |
| * Stomach, Forestomach   | Artery                      | Inflammation   | Chronic Active, Mild |
| * Testes                 | Interstit Cell              | Hyperplasia    | Mild                 |
| * Trachea                |                             | Inflammation   | Chronic Active, Mild |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 635

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 527

**DOSE:** 25 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 54053

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- UNCERTAIN

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |               |                         |                 |          |
|---------------|-------------------------|-----------------|----------|
| * Gallbladder | * Lymph Node, Bronchial | * Mammary Gland | * Thymus |
|---------------|-------------------------|-----------------|----------|

OBSERVATIONS

- |          |  |                               |              |
|----------|--|-------------------------------|--------------|
| * Kidney | Renal Tubule   | Carcinoma                     |              |
|          | Renal Tubule   | Hyperplasia                   | Minimal      |
|          | [ Carcinoma TGLs = 3-6 ]                                   | Nephropathy                   | Mild         |
| * Liver  |  | Basophilic Focus              |              |
|          |  | Clear Cell Focus              |              |
|          |  | Cyst                          | Marked       |
|          |  | Degeneration                  | Cystic, Mild |
|          |  | Hepatocellular Adenoma        | Multiple     |
|          | Note: Cestode present with hepatic cyst                    |                               |              |
|          | [ Basophilic Focus TGLs = 5-22 ]                           |                               |              |
|          | [ Cyst TGLs = 10-23 ]                                      |                               |              |
|          | [ Degeneration TGLs = 7-22 ]                               |                               |              |
|          | [ Hepatocellular Adenoma TGLs = 4,6,8,9-5+15+16+18+20+21 ] |                               |              |
| * Nose   | Respirat Epith   | Accumulation, Hyaline Droplet | Minimal      |
|          | Turbinate  | Atrophy                       | Moderate     |
|          |  | Hyperostosis                  | Moderate     |
|          | Respirat Epith   | Hyperplasia                   | Minimal      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54054

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ORGAN AND ACCOUNTABLE SITE STATUS

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* Pituitary Gland	Olfactory Epi Pars Distalis	Metaplasia Hyperplasia	Respiratory, Mild Minimal
* Skin		Fibrous Histiocytoma	
[ Fibrous Histiocytoma TGLs = 1,2-14+24 ]			

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                           |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow             |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                     |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Liver                   |
| * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric   | * Pancreas                | * Pituitary Gland           | * Preputial Gland         |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Spleen                  |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                  |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                           |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |          |                |              |                   |
|----------|----------------|--------------|-------------------|
| * Kidney |                | Nephropathy  | Minimal           |
| * Nose   | Turbinate      | Atrophy      | Moderate          |
|          |                | Hyperostosis | Moderate          |
|          | Respirat Epith | Hyperplasia  | Minimal           |
|          | Olfactory Epi  | Metaplasia   | Respiratory, Mild |
| * Skin   | Epidermis      | Hyperplasia  | Squamous, Mild    |

[ Hyperplasia TGLs = 1-12 ]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Spleen
- Subcapsular
- Renal Tubule
- [ Carcinoma TGLs = 6-13 ]
- [ Hepatocellular Adenoma TGLs = 3,4,5,7-5+6+15 ]
- Alveolus
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1-12 ]
- [ Infiltration Cellular TGLs = 2-4 ]
- Turbinate
- Respirat Epith
- Olfactory Epi
- Adenoma
- Carcinoma
- Nephropathy
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Carcinoma
- Infiltration Cellular
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hemangiosarcoma
- Mild
- Multiple
- Histiocyte, Mild
- Moderate
- Mild
- Minimal
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 617

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Skin
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Preputial Gland
- \* Spleen
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Seminal Vesicle
- \* Testes

MISSING

- \* Lymph Node, Bronchial
- \* Pituitary Gland
- \* Lymph Node, Mandibular
- \* Thymus
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Islets, Pancreatic
  - \* Kidney
    - [ Nephropathy TGLs = 3-6 ]
  - \* Larynx
  - \* Liver
    - [ Hepatocholangiocarcinoma TGLs = 4,5,9,12-5+6+12 ]
  - \* Lung
    - Alveolar Epith
  - \* Lymph Node, Mediastinal
    - [ Hepatocholangiocarcinoma TGLs = 2-3 ]
  - \* Lymph Node, Mesenteric
    - [ Hepatocholangiocarcinoma TGLs = 8-7 ]
  - Mesentery
    - [ Hepatocholangiocarcinoma TGLs = 10-14 ]
  - \* Nose
    - Respirat Epith
    - Turbinate
- Hepatocholangiocarcinoma  
Hepatocholangiocarcinoma  
Nephropathy  
Foreign Body  
Inflammation  
Hepatocholangiocarcinoma  
Hepatocholangiocarcinoma  
Hyperplasia  
Hepatocholangiocarcinoma  
Hepatocholangiocarcinoma  
Hepatocholangiocarcinoma  
Accumulation, Hyaline Droplet  
Atrophy  
Inflammation
- Metastatic (Liver)  
Metastatic (Liver)  
Mild  
Suppurative, Minimal  
Metastatic (Liver)  
Moderate  
Metastatic (Liver)  
Metastatic (Liver)  
Metastatic (Liver)  
Metastatic (Liver)  
Minimal  
Moderate  
Suppurative, Minimal

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 617

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54057

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi		Metaplasia	Respiratory, Minimal
	Respirat Epith		Necrosis	Minimal
* Pancreas			Hepatocholangiocarcinoma	Metastatic (Liver)
	[ Hepatocholangiocarcinoma	TGLs = 11-5 ]		
* Prostate			Hepatocholangiocarcinoma	Metastatic (Liver)
Skeletal Muscle			Hepatocholangiocarcinoma	Metastatic (Liver)
	[ Hepatocholangiocarcinoma	TGLs = 6,7-12+13 ]		
* Stomach, Glandular			Hepatocholangiocarcinoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Kidney
  - Renal Tubule
    - Carcinoma
    - Cyst
    - Nephropathy
  - [ Carcinoma TGLs = 1-12+13 ]
  - [ Cyst TGLs = 2-6 ]
- \* Liver
  - Hepatocellular Adenoma
  - [ Hepatocellular Adenoma TGLs = 3,4,5-5+6+15 ]
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Metaplasia
  - Respirat Epith
  - Olfactory Epi
- \* Parathyroid Gland
  - Cyst

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Stomach, Glandular
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Harderian Gland
    - [ Adenoma TGLs = 1-11 ]
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 3-12 ]
    - [ Hepatocellular Carcinoma TGLs = 2-12 ]
    - [ Necrosis TGLs = 4-5 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
- Adenoma
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Necrosis
- Mild
- Moderate
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Moderate
- Moderate
- Mild
- Respiratory, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 584

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Heart
  - [ Histiocytic Sarcoma TGLs = 5-5 ]
- \* Kidney
  - [ Hepatocellular Carcinoma TGLs = 1-5 ]
- \* Liver
  - [ Histiocytic Sarcoma TGLs = 2,3-4 ]
- \* Lung
  - [ Histiocytic Sarcoma TGLs = 4-3 ]
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
  - [ Histiocytic Sarcoma TGLs = 4-3 ]
- \* Nose
  - Respirat Epith
  - Turbinate
  - Respirat Epith
  - Olfactory Epi
- \* Stomach, Forestomach
  - [ Hyperplasia TGLs = 6-9 ]
- \* Stomach, Glandular

Histiocytic Sarcoma

Nephropathy Moderate

Eosinophilic Focus

Hepatocellular Carcinoma

Histiocytic Sarcoma

Histiocytic Sarcoma

Histiocytic Sarcoma

Accumulation, Hyaline Droplet Minimal

Atrophy Moderate

Hyperostosis Mild

Hyperplasia Minimal

Metaplasia Respiratory, Mild

Hyperplasia Squamous, Mild

Mineralization Minimal

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 642

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 584

**DOSE:** 25 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 54060

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Lung Histiocytic Sarcoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        |
| * Preputial Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                         |                           |                 |                     |
|-------------------------|---------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mediastinal | * Mammary Gland | * Parathyroid Gland |
| * Thymus                |                           |                 |                     |

OBSERVATIONS

- |          |   |                               |                   |
|----------|---|-------------------------------|-------------------|
| * Kidney | Renal Tubule                              | Carcinoma                     |                   |
|          | Renal Tubule                              | Hyperplasia                   | Minimal           |
|          |   | Nephropathy                   | Mild              |
|          | [ Carcinoma TGLs = 1-12 ]                 |                               |                   |
| * Liver  | [ Hepatocellular Adenoma TGLs = 2,3-5+6 ] | Hepatocellular Adenoma        | Multiple          |
| * Nose   | Respirat Epith                            | Accumulation, Hyaline Droplet | Mild              |
|          | Turbinate                                 | Atrophy                       | Moderate          |
|          | Septum, Turbinate                         | Hyperostosis                  | Moderate          |
|          | Respirat Epith                            | Hyperplasia                   | Mild              |
|          | Olfactory Epi                             | Metaplasia                    | Respiratory, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Medulla
- \* Harderian Gland
- \* Kidney
- [ Cyst TGLs = 3-6 ]
- [ Hydronephrosis TGLs = 4-6 ]
- [ Nephropathy TGLs = 2-6 ]
- \* Liver
- [ Hepatocellular Carcinoma TGLs = 5,6-5+12 ]
- \* Nose
- Olfactory Epi
- Turbinates
- Respirat Epith
- Olfactory Epi
- Hyperplasia
- Hyperplasia
- Cyst
- Hydronephrosis
- Hyperplasia
- Nephropathy
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Mild
- Mild
- Mild
- Moderate
- Moderate
- Marked
- Multiple
- Mild
- Moderate
- Mild
- Mild
- Respiratory, Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mesenteric
- \* Nose
- Renal Tubule
- Renal Tubule
- [ Adenoma TGLs = 4-12 ]
- [ Cyst TGLs = 5-12 ]
- [ Hyperplasia TGLs = 3-6 ]
- [ Clear Cell Focus TGLs = 1-5 ]
- [ Eosinophilic Focus TGLs = 2-5 ]
- Alveolar/Bronchiolar Adenoma
- Inflammation
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hypertrophy
- Adenoma
- Cyst
- Hyperplasia
- Clear Cell Focus
- Eosinophilic Focus
- Mild
- Mild
- Minimal
- Granulomatous, Moderate
- Minimal
- Moderate
- Moderate
- Mild
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 645

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Heart
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus

- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Brain
- \* Gallbladder
- \* Lung
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Bronchial

- \* Lymph Node, Mandibular

- \* Mammary Gland

- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum

- \* Intestine Large, Colon
- \* Intestine Small, Jejunum

- \* Intestine Large, Rectum

- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney

Renal Tubule

Hypertrophy  
Carcinoma  
Nephropathy

Minimal  
  
Minimal

[ Carcinoma TGLs = 2-6 ]

- \* Larynx

Foreign Body  
Metaplasia

Squamous, Mild

- \* Liver

Basophilic Focus  
Hepatocellular Adenoma

[ Hepatocellular Adenoma TGLs = 1-5 ]

- \* Nose

Turbinate

Atrophy  
Hyperostosis  
Hyperplasia  
Metaplasia

Mild  
Moderate  
Mild  
Respiratory, Mild

Respirat Epith  
Olfactory Epi

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- [ Carcinoma TGLs = 2,3-6 ]
- \* Liver
- [ Basophilic Focus TGLs = 4-5 ]
- [ Hepatocellular Carcinoma TGLs = 1-12+13 ]
- \* Lymph Node, Mesenteric
- \* Nose
- Bilateral, Renal Tubule
- Renal Tubule
- Hyperplasia
- Carcinoma
- Hyperplasia
- Nephropathy
- Basophilic Focus
- Hepatocellular Carcinoma
- Angiectasis
- Atrophy
- Hyperostosis
- Metaplasia
- Marked
- Minimal
- Mild
- Mild
- Moderate
- Moderate
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 549

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Larynx
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Bone
- \* Esophagus
- \* Heart
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Kidney Nephropathy Moderate
- \* Liver Hepatocellular Carcinoma Multiple
  - [ Hepatocellular Carcinoma TGLs = 8,9-15+16 ]
- \* Lung Hepatocellular Carcinoma Metastatic (Liver)
  - [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5,6,7-4+12+13+14 ]
- Mesentery Hepatocellular Carcinoma Metastatic (Liver)
  - [ Hepatocellular Carcinoma TGLs = 11,12-5+6 ]
- \* Nose
  - Respirat Epith Accumulation, Hyaline Droplet Minimal
  - Olfactory Epi Accumulation, Hyaline Droplet Minimal
  - Turbinate Atrophy Moderate
  - Olfactory Epi Hyperostosis Mild
  - Olfactory Epi Metaplasia Respiratory, Mild
- \* Spleen Hematopoietic Cell Proliferation Moderate
  - [ Hematopoietic Cell Proliferation TGLs = 10-5 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 470

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                   |                           |                          |                   |
|-------------------|---------------------------|--------------------------|-------------------|
| * Adrenal Cortex  | * Adrenal Medulla         | * Bone                   | * Bone Marrow     |
| * Brain           | * Epididymis              | * Esophagus              | * Eye             |
| * Gallbladder     | * Harderian Gland         | * Islets, Pancreatic     | * Kidney          |
| * Lung            | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Pancreas        |
| * Pituitary Gland | * Preputial Gland         | * Prostate               | * Salivary Glands |
| * Seminal Vesicle | * Skin                    | * Spleen                 | * Testes          |
| * Thymus          | * Thyroid Gland           | * Trachea                | * Urinary Bladder |

MISSING

- |                         |                          |                 |                     |
|-------------------------|--------------------------|-----------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|-------------------------|--------------------------|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum |                           |                             |

OBSERVATIONS

- |                        |   |                          |                      |
|------------------------|---|--------------------------|----------------------|
| * Heart                |   | Cardiomyopathy           | Minimal              |
| * Larynx               |   | Inflammation             | Suppurative, Minimal |
| * Liver                |   | Hemangiosarcoma          |                      |
|                        |   | Hepatocellular Carcinoma |                      |
|                        | [ Hemangiosarcoma TGLs = 3,4,5,6,7,8-5+6+12+13+14 ] |                          |                      |
| * Nose                 | Turbinate   | Atrophy                  | Moderate             |
|                        |   | Hyperostosis             | Mild                 |
|                        | Respirat Epith                                      | Hyperplasia              | Minimal              |
|                        | Olfactory Epi                                       | Metaplasia               | Respiratory, Mild    |
| * Stomach, Forestomach |   | Necrosis                 | Mild                 |
| * Stomach, Glandular   |   | Necrosis                 | Mild                 |
|                        | [ Necrosis TGLs = 9-9+12 ]                          |                          |                      |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Testes
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Preputial Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Heart
  - \* Kidney
  - [ Cyst TGLs = 2-6 ]
  - \* Liver
  - [ Basophilic Focus TGLs = 6-15 ]
  - [ Hepatocellular Adenoma TGLs = 5-6 ]
  - [ Hepatocellular Carcinoma TGLs = 3,4-12+13 ]
  - \* Nose
- |  |                |                               |                   |
|--|----------------|-------------------------------|-------------------|
|  | Renal Tubule   | Hypertrophy                   | Minimal           |
|  |                | Cardiomyopathy                | Minimal           |
|  |                | Cyst                          | Moderate          |
|  |                | Hyperplasia                   | Minimal           |
|  |                | Nephropathy                   | Mild              |
|  |                | Basophilic Focus              |                   |
|  |                | Hepatocellular Adenoma        |                   |
|  |                | Hepatocellular Carcinoma      | Multiple          |
|  | Respirat Epith | Accumulation, Hyaline Droplet | Mild              |
|  | Olfactory Epi  | Accumulation, Hyaline Droplet | Mild              |
|  | Turbinat       | Atrophy                       | Moderate          |
|  |                | Hyperostosis                  | Mild              |
|  | Respirat Epith | Hyperplasia                   | Moderate          |
|  | Olfactory Epi  | Metaplasia                    | Respiratory, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54068

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Skin

[ Fibrous Histiocytoma TGLs = 7-15 ]

Polyp, Inflammatory  
Fibrous Histiocytoma

Moderate

\* Stomach, Forestomach

Hyperplasia

Squamous, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          | * Ovary                    |
| * Pancreas                | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- |                   |  |                               |                  |
|-------------------|--|-------------------------------|------------------|
| * Harderian Gland |  | Hyperplasia                   | Mild             |
| * Kidney          |  | Nephropathy                   | Mild             |
| * Liver           |  | Hepatocellular Adenoma        |                  |
|                   | [ Hepatocellular Adenoma TGLs = 1-17 ] |                               |                  |
| * Nose            | Respirat Epith                         | Accumulation, Hyaline Droplet | Mild             |
|                   | Respirat Epith                         | Hyperplasia                   | Minimal          |
| * Uterus          | Endometrium                            | Hyperplasia                   | Cystic, Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                 | * Liver                    |
| * Lung                    | * Lymph Node, Bronchial     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |               |                     |
|---------------|---------------------|
| * Gallbladder | * Parathyroid Gland |
|---------------|---------------------|

OBSERVATIONS

- |   |                                  |  |                 |
|---|----------------------------------|--|-----------------|
| * Lymph Node, Mediastinal<br>Mesentery<br>[ Inflammation TGLs = 3-6 ] | Artery                           | Lymphoma Malignant<br>Inflammation           | Mild            |
| * Nose  | Respirat Epith<br>Respirat Epith | Accumulation, Hyaline Droplet<br>Hyperplasia | Mild<br>Minimal |
| * Thymus<br>[ Lymphoma Malignant TGLs = 1-3 ]                         |                                  | Lymphoma Malignant                           |                 |
| * Uterus<br>[ Hyperplasia TGLs = 2-9 ]                                | Endometrium                      | Hyperplasia                                  | Cystic, Marked  |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lymph Node, Mandibular | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          | * Uterus                  |

MISSING

- |               |                         |
|---------------|-------------------------|
| * Gallbladder | * Lymph Node, Bronchial |
|---------------|-------------------------|

OBSERVATIONS

- |                   |  |                               |         |
|-------------------|--|-------------------------------|---------|
| * Adrenal Cortex  | Subcapsular                            | Adenoma                       |         |
| * Kidney          |  | Infarct                       | Mild    |
|                   |  | Lymphoma Malignant            |         |
|                   |  | Nephropathy                   | Minimal |
| * Liver           |  | Hepatocellular Adenoma        |         |
|                   | [ Hepatocellular Adenoma TGLs = 1-15 ] | Lymphoma Malignant            |         |
| * Lung            |  | Lymphoma Malignant            |         |
| * Nose            | Olfactory Epi                          | Accumulation, Hyaline Droplet | Minimal |
|                   | Respirat Epith                         | Accumulation, Hyaline Droplet | Minimal |
| * Pituitary Gland | Pars Distalis                          | Hyperplasia                   | Mild    |
| * Spleen          |  | Lymphoma Malignant            |         |
| * Thymus          |  | Lymphoma Malignant            |         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Spleen                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- |                         |                     |
|-------------------------|---------------------|
| * Lymph Node, Bronchial | * Parathyroid Gland |
|-------------------------|---------------------|

OBSERVATIONS

- |  |                |                                |                    |
|--|----------------|--------------------------------|--------------------|
| * Adrenal Cortex                               |                | Hypertrophy                    | Mild               |
| * Harderian Gland                              |                | Carcinoma                      |                    |
| [ Carcinoma TGLs = 3-14 ]                      |                |                                |                    |
| * Kidney                                       |                | Metaplasia                     | Osseous, Mild      |
| * Larynx                                       |                | Metaplasia                     | Squamous, Mild     |
| * Lung   |                | Alveolar/Bronchiolar Carcinoma |                    |
|  | Alveolus       | Infiltration Cellular          | Histiocyte, Marked |
| [ Alveolar/Bronchiolar Carcinoma TGLs = 1-12 ] |                |                                |                    |
| * Nose   | Respirat Epith | Accumulation, Hyaline Droplet  | Mild               |
|  | Respirat Epith | Hyperplasia                    | Minimal            |
| * Stomach, Forestomach                         |                | Hyperplasia                    | Squamous, Mild     |
| * Stomach, Glandular                           |                | Mineralization                 | Minimal            |
| * Uterus                                       | Endometrium    | Hyperplasia                    | Cystic, Moderate   |
| [ Hyperplasia TGLs = 4-9 ]                     |                |                                |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 509

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Larynx                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | Peripheral Nerve            | * Pituitary Gland        | * Salivary Glands          |
| Skeletal Muscle           | * Skin                      | Spinal Cord              | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

- |  |             |                        |                |
|--|-------------|------------------------|----------------|
| * Adrenal Cortex                           |             | Hypertrophy            | Mild           |
| * Islets, Pancreatic                       |             | Adenoma                |                |
| [ Adenoma TGLs = 1-12 ]                    |             |                        |                |
| * Liver                                    |             | Clear Cell Focus       |                |
|  |             | Hepatocellular Adenoma | Multiple       |
| [ Clear Cell Focus TGLs = 3-5 ]            |             |                        |                |
| [ Hepatocellular Adenoma TGLs = 3,4-5+13 ] |             |                        |                |
| * Lymph Node, Bronchial                    |             | Lymphoma Malignant     |                |
| * Lymph Node, Mandibular                   |             | Lymphoma Malignant     |                |
| * Lymph Node, Mediastinal                  |             | Lymphoma Malignant     |                |
| Mesentery                                  | Fat         | Necrosis               | Mild           |
| [ Necrosis TGLs = 2-12 ]                   |             |                        |                |
| * Spleen                                   |             | Lymphoma Malignant     |                |
| * Thymus                                   |             | Lymphoma Malignant     |                |
| * Uterus                                   | Endometrium | Hyperplasia            | Cystic, Marked |

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Uterus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Ovary
- \* Salivary Glands
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Skin
- \* Trachea

OBSERVATIONS

- \* Kidney
  - Lymphoma Malignant
  - Metaplasia
  - Nephropathy
- \* Liver
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Lymphoma Malignant
- [ Hepatocellular Adenoma TGLs = 3-5 ]
- [ Hepatocellular Carcinoma TGLs = 4-5 ]
- Lymph Node
  - Lumbar, Renal
  - Lumbar, Renal
- [ Lymphoma Malignant TGLs = 5,6-12+13 ]
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Respirat Epith
- \* Spleen
  - Angiectasis
  - Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 2-5 ]
- \* Thymus
  - Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53974

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Lymphoma Malignant TGLs = 1-3 ]

\* Urinary Bladder

Lymphoma Malignant

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Nose                   |
| * Ovary                    | * Pancreas                | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           | * Uterus                 |

MISSING

- |                         |                     |
|-------------------------|---------------------|
| * Lymph Node, Bronchial | * Parathyroid Gland |
|-------------------------|---------------------|

OBSERVATIONS

- |                   |  |         |
|-------------------|--|---------|
| * Kidney          | Nephropathy                            | Minimal |
| * Liver           | Fatty Change                           | Mild    |
|                   | Hepatocellular Adenoma                 |         |
|                   | Necrosis                               | Minimal |
|                   | [ Fatty Change TGLs = 4-5 ]            |         |
|                   | [ Hepatocellular Adenoma TGLs = 3-18 ] |         |
| * Mammary Gland   | Carcinoma                              |         |
|                   | [ Carcinoma TGLs = 1,2-13+14+16 ]      |         |
| Mesentery         | Fat                                    |         |
|                   | [ Necrosis TGLs = 5-6 ]                | Mild    |
| * Pituitary Gland | Pars Distalis                          |         |
|                   | [ Adenoma TGLs = 6-9 ]                 |         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 605

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Pituitary Gland
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Adrenal Cortex
  - Hyperplasia
  - Hypertrophy
- \* Kidney
  - Nephropathy
- \* Liver
  - Hepatocellular Adenoma
- \* Nose
  - [ Hepatocellular Adenoma TGLs = 4-5 ]
  - Olfactory Epi
  - Respirat Epith
- \* Skin
  - Subcut Tiss
  - Fibrosarcoma
- \* Spleen
  - [ Fibrosarcoma TGLs = 5-6 ]
  - Hematopoietic Cell Proliferation
- \* Uterus
  - [ Hematopoietic Cell Proliferation TGLs = 1-5 ]
  - Endometrium
  - [ Hyperplasia TGLs = 2-9 ]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 325

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Mammary Gland          | * Nose                     | * Ovary                   | * Parathyroid Gland         |
| Peripheral Nerve         | * Pituitary Gland          | * Salivary Glands         | Skeletal Muscle             |
| * Skin                   | Spinal Cord                | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

- |                  |                           |
|------------------|---------------------------|
| * Clitoral Gland | * Lymph Node, Mediastinal |
|------------------|---------------------------|

OBSERVATIONS

- |                             |                  |                |                         |
|-----------------------------|------------------|----------------|-------------------------|
| * Brain                     | Artery, Meninges | Inflammation   | Chronic Active, Minimal |
| * Heart                     |                  | Cardiomyopathy | Mild                    |
| * Kidney                    | Artery           | Inflammation   | Chronic Active, Minimal |
|                             | Artery           | Inflammation   | Chronic Active, Mild    |
| [ Inflammation TGLs = 1-6 ] |                  |                |                         |
| * Larynx                    | Artery           | Inflammation   | Chronic Active, Minimal |
| * Pancreas                  | Artery           | Inflammation   | Chronic Active, Mild    |
| * Uterus                    | Endometrium      | Hyperplasia    | Cystic, Mild            |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                 | * Liver                    |
| * Lung                    | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |               |                         |                          |
|---------------|-------------------------|--------------------------|
| * Gallbladder | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|---------------|-------------------------|--------------------------|

OBSERVATIONS

- |                                      |                                 |   |                                 |
|--------------------------------------|---------------------------------|---|---------------------------------|
| Mesentery<br>[ Necrosis TGLs = 1-6 ] | Fat                             | Necrosis                                    | Mild                            |
| * Nose                               | Respirat Epith<br>Olfactory Epi | Accumulation, Hyaline Droplet<br>Metaplasia | Minimal<br>Respiratory, Minimal |
| * Uterus                             | Endometrium                     | Hyperplasia<br>Polyp Stromal                | Cystic, Mild                    |

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 111

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Liver
- \* Lymph Node, Mesenteric
- \* Skin
- \* Thymus
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lung
- \* Mammary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Nose
- \* Ovary
- [ Cyst TGLs = 2-8 ]
- \* Pituitary Gland
- [ Adenoma TGLs = 3-9 ]
- \* Uterus
- [ Thrombosis TGLs = 1-13 ]
- Respirat Epith
- Pars Distalis
- Endometrium
- Hyperplasia
- Pheochromocytoma Benign
- Accumulation, Hyaline Droplet
- Cyst
- Adenoma
- Hyperplasia
- Thrombosis
- Marked
- Minimal
- Mild
- Cystic, Mild
- Mild

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Liver                  |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

MISSING

- |                         |                          |                           |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

OBSERVATIONS

- |                   |                |                              |                  |
|-------------------|----------------|------------------------------|------------------|
| * Kidney          |                | Metaplasia                   | Osseous, Minimal |
| * Lung            |                | Alveolar/Bronchiolar Adenoma | Multiple         |
| * Nose            | Respirat Epith | Hyperplasia                  | Minimal          |
| * Pituitary Gland | Pars Distalis  | Hyperplasia                  | Marked           |

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 113

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Mammary Gland            | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |   |                               |                      |
|---------------------------|---|-------------------------------|----------------------|
| * Kidney                  |   | Lymphoma Malignant            |                      |
| * Liver                   |   | Lymphoma Malignant            |                      |
|                           | [ Lymphoma Malignant TGLs = 5-6 ]       |                               |                      |
|                           | Lymph Node Lumbar, Renal                | Lymphoma Malignant            |                      |
|                           | [ Lymphoma Malignant TGLs = 3,4-12+13 ] |                               |                      |
| * Lymph Node, Bronchial   |   | Lymphoma Malignant            |                      |
| * Lymph Node, Mandibular  |   | Lymphoma Malignant            |                      |
| * Lymph Node, Mediastinal |   | Lymphoma Malignant            |                      |
|                           | [ Lymphoma Malignant TGLs = 1-3 ]       |                               |                      |
| * Lymph Node, Mesenteric  |   | Lymphoma Malignant            |                      |
| * Nose                    | Respirat Epith                          | Accumulation, Hyaline Droplet | Minimal              |
|                           | Respirat Epith                          | Hyperplasia                   | Minimal              |
|                           |   | Inflammation                  | Chronic Active, Mild |
| * Spleen                  |   | Lymphoma Malignant            |                      |
|                           | [ Lymphoma Malignant TGLs = 2-5 ]       |                               |                      |
| * Thymus                  |   | Lymphoma Malignant            |                      |
| * Uterus                  | Endometrium                             | Hyperplasia                   | Cystic, Moderate     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Liver
    - [ Clear Cell Focus TGLs = 5-18 ]
    - [ Hepatocellular Adenoma TGLs = 2,3-12+17 ]
  - \* Lung
    - [ Necrosis TGLs = 6-17 ]
  - \* Mesentery
    - [ Fat
  - \* Nose
    - [ Respirat Epith
  - \* Pituitary Gland
    - [ Adenoma TGLs = 1-9 ]
  - \* Skin
    - [ Pars Distalis
    - [ Subcut Tiss
  - \* Uterus
    - [ Sarcoma TGLs = 7-14+15 ]
    - [ Inflammation TGLs = 8-9 ]
- Clear Cell Focus  
Hepatocellular Adenoma                      Multiple
- Alveolar/Bronchiolar Adenoma  
Necrosis    Mild
- Hyperplasia  
Adenoma    Minimal
- Sarcoma
- Inflammation                                      Histiocytic, Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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**ANIMAL ID:** 115

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 572

**DOSE:** Control

**DISP:** Moribund Sacrifice

**HISTO:** 53983

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

Lymphoma Malignant

\* Thymus

Lymphoma Malignant

\* Uterus

Lymphoma Malignant

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PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                 |
| * Lung                     | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                         |                          |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- |                   |   |                               |                  |
|-------------------|---|-------------------------------|------------------|
| * Liver           |   | Clear Cell Focus              |                  |
|                   |   | Hepatocellular Adenoma        | Multiple         |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-5+5+6+12+13 ] |                               |                  |
| * Nose            | Respirat Epith  | Accumulation, Hyaline Droplet | Mild             |
|                   | Olfactory Epi   | Accumulation, Hyaline Droplet | Minimal          |
|                   | Respirat Epith  | Hyperplasia                   | Mild             |
| * Pituitary Gland | Pars Distalis   | Hyperplasia                   | Mild             |
| * Uterus          | Endometrium   | Hyperplasia                   | Cystic, Moderate |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 635

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 53985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Liver
    - [ Basophilic Focus TGLs = 2-5 ]
    - [ Eosinophilic Focus TGLs = 3,6,7-6+13 ]
    - [ Hepatocellular Adenoma TGLs = 1,5-5+6 ]
  - \* Lung
    - Inflammation
  - \* Nose
    - Respirat Epith
    - Accumulation, Hyaline Droplet
  - Skeletal Muscle
    - [ Sarcoma TGLs = 4-12+14 ]
    - Sarcoma
  - \* Uterus
    - Endometrium
    - Hyperplasia
- Basophilic Focus  
Eosinophilic Focus  
Hepatocellular Adenoma
- Multiple
- Chronic Active, Mild  
Minimal
- Cystic, Mild

PRIMARY CAUSE OF DEATH - Skeletal Muscle Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                 | * Lung                     |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                         |                          |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- |                          |                    |                        |                  |
|--------------------------|--------------------|------------------------|------------------|
| * Adrenal Cortex         |                    | Hyperplasia            | Mild             |
| * Liver                  |                    | Hepatocellular Adenoma | Multiple         |
| [ Hepatocellular Adenoma | TGLs = 1,2,3-5+6 ] |                        |                  |
| * Nose                   | Respirat Epith     | Hyperplasia            | Minimal          |
| * Ovary                  |                    | Cyst                   | Moderate         |
| * Stomach, Glandular     |                    | Mineralization         | Minimal          |
| * Uterus                 | Endometrium        | Hyperplasia            | Cystic, Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Heart                  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- \* Lymph Node, Bronchial

OBSERVATIONS

- |                          |                |                               |              |
|--------------------------|----------------|-------------------------------|--------------|
| * Intestine Large, Cecum |                | Carcinoma                     |              |
| * Kidney                 |                | Nephropathy                   | Minimal      |
| * Nose                   | Respirat Epith | Accumulation, Hyaline Droplet | Minimal      |
|                          | Respirat Epith | Hyperplasia                   | Minimal      |
| * Uterus                 | Endometrium    | Hyperplasia                   | Cystic, Mild |

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: Control

DISP: Natural Death

HISTO: 53988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Mammary Gland          | * Pituitary Gland          |
| * Skin                    | * Stomach, Forestomach      | * Thyroid Gland          | * Trachea                  |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |                                       |                               |         |
|---------------------------|---------------------------------------|-------------------------------|---------|
| * Heart                   |                                       | Lymphoma Malignant            |         |
| * Kidney                  |                                       | Lymphoma Malignant            |         |
|                           |                                       | Nephropathy                   | Mild    |
| * Liver                   |                                       | Hepatocellular Adenoma        |         |
|                           | [ Hepatocellular Adenoma TGLs = 2-5 ] |                               |         |
| * Lung                    |                                       | Lymphoma Malignant            |         |
|                           | [ Lymphoma Malignant TGLs = 3-4 ]     |                               |         |
| Lymph Node                | Lumbar                                | Lymphoma Malignant            |         |
|                           | [ Lymphoma Malignant TGLs = 4-6 ]     |                               |         |
| * Lymph Node, Bronchial   |                                       | Lymphoma Malignant            |         |
| * Lymph Node, Mandibular  |                                       | Lymphoma Malignant            |         |
| * Lymph Node, Mediastinal |                                       | Lymphoma Malignant            |         |
| * Lymph Node, Mesenteric  |                                       | Lymphoma Malignant            |         |
| * Nose                    | Respirat Epith                        | Accumulation, Hyaline Droplet | Mild    |
|                           | Olfactory Epi                         | Accumulation, Hyaline Droplet | Mild    |
|                           | Respirat Epith                        | Hyperplasia                   | Minimal |
| * Ovary                   |                                       | Lymphoma Malignant            |         |
| * Pancreas                |                                       | Lymphoma Malignant            |         |
| * Salivary Glands         |                                       | Lymphoma Malignant            |         |
| * Spleen                  |                                       | Lymphoma Malignant            |         |
|                           | [ Lymphoma Malignant TGLs = 1-5 ]     |                               |         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: Control

DISP: Natural Death

HISTO: 53988

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Lymphoma Malignant

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                           |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow             |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                     |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Liver                   |
| * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas                |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Stomach, Glandular      |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder         |

OBSERVATIONS

- |                        |                                 |                               |                  |
|------------------------|---------------------------------|-------------------------------|------------------|
| * Kidney               |                                 | Infarct                       | Mild             |
| * Nose                 | Respirat Epith                  | Accumulation, Hyaline Droplet | Mild             |
|                        | Olfactory Epi                   | Accumulation, Hyaline Droplet | Mild             |
|                        | Respirat Epith                  | Hyperplasia                   | Minimal          |
| * Pituitary Gland      | Pars Distalis                   | Adenoma                       |                  |
| * Spleen               |                                 | Hemangiosarcoma               |                  |
|                        | [ Hemangiosarcoma TGLs = 1-14 ] |                               |                  |
| * Stomach, Forestomach |                                 | Hyperplasia                   | Squamous, Mild   |
|                        | [ Hyperplasia TGLs = 2-9 ]      |                               |                  |
| * Uterus               | Endometrium                     | Hyperplasia                   | Cystic, Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow             | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                     | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                  | * Lung                     |
| * Lymph Node, Bronchial   | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas                | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spleen                  | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland           | * Trachea                  |
| * Urinary Bladder         |                             |                           |                            |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                  |                                       |                        |              |
|------------------|---------------------------------------|------------------------|--------------|
| * Adrenal Cortex |                                       | Angiectasis            | Moderate     |
| * Liver          |                                       | Hepatocellular Adenoma |              |
|                  | [ Hepatocellular Adenoma TGLs = 1-6 ] |                        |              |
| Mesentery        | Fat                                   | Necrosis               | Moderate     |
|                  | [ Necrosis TGLs = 4-12 ]              |                        |              |
| * Ovary          |                                       | Cyst                   | Marked       |
|                  | [ Cyst TGLs = 3-8 ]                   |                        |              |
| * Uterus         | Endometrium                           | Hyperplasia            | Cystic, Mild |

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 123

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

OBSERVATIONS

- |                   |   |                               |                    |
|-------------------|---|-------------------------------|--------------------|
| * Kidney          |   | Nephropathy                   | Mild               |
| * Liver           |   | Eosinophilic Focus            |                    |
|                   |   | Hepatocellular Adenoma        |                    |
|                   |   | Hepatocellular Carcinoma      |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 1-14+17 ] |                               |                    |
| * Lung            |   | Hepatocellular Carcinoma      | Metastatic (Liver) |
| Mesentery         | Fat   | Necrosis                      | Moderate           |
|                   | [ Necrosis TGLs = 2,3,4-8+9+16 ]            |                               |                    |
| * Nose            | Respirat Epith                              | Accumulation, Hyaline Droplet | Minimal            |
|                   | Olfactory Epi                               | Accumulation, Hyaline Droplet | Minimal            |
|                   | Respirat Epith                              | Hyperplasia                   | Minimal            |
| * Pituitary Gland | Pars Distalis                               | Hyperplasia                   | Minimal            |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                            |                          |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                     | * Bone Marrow            |
| * Brain                   | * Clitoral Gland            | * Esophagus                | * Eye                    |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum   | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic     |
| * Larynx                  | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric |
| * Mammary Gland           | * Ovary                     | * Pancreas                 | * Parathyroid Gland      |
| * Pituitary Gland         | * Salivary Glands           | * Skin                     | * Spleen                 |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                   | * Thyroid Gland          |
| * Trachea                 | * Urinary Bladder           |                            |                          |

MISSING

- \* Lymph Node, Bronchial

OBSERVATIONS

- |                          |  |                          |                    |
|--------------------------|--|--------------------------|--------------------|
| * Heart                  |  | Cardiomyopathy           | Minimal            |
| * Intestine Small, Ileum |  | Adenoma                  |                    |
| * Kidney                 |  | Nephropathy              | Minimal            |
| * Liver                  |  | Hepatocellular Adenoma   |                    |
|                          |  | Hepatocellular Carcinoma |                    |
|                          | [ Hepatocellular Adenoma TGLs = 2-5 ]    |                          |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1-12 ] |                          |                    |
| * Lung                   |  | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose                   | Respirat Epith                           | Hyperplasia              | Minimal            |
|                          | Respirat Epith                           | Metaplasia               | Squamous, Minimal  |
| * Uterus                 | Endometrium                              | Hyperplasia              | Cystic, Mild       |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
  - \* Liver
  - \* Lung
  - \* Nose
  - \* Spleen
  - [ Hemangiosarcoma TGLs = 2-5 ]
  - \* Thymus
  - [ Lymphoma Malignant TGLs = 1-3 ]
  - \* Uterus
- Alveolus
  - Respirat Epith
  - Adenoma
  - Eosinophilic Focus
  - Infiltration Cellular
  - Accumulation, Hyaline Droplet
  - Hemangiosarcoma
  - Lymphoma Malignant
  - Hyperplasia
- Histiocyte, Minimal
  - Minimal
  - Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Pancreas
- \* Parathyroid Gland
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial

OBSERVATIONS

- \* Liver
  - Clear Cell Focus
  - Eosinophilic Focus
  - Hemangiosarcoma
  - Hepatocellular Adenoma
  - Multiple
- [ Clear Cell Focus TGLs = 3-6 ]
- [ Hepatocellular Adenoma TGLs = 4,6-5+14 ]
- \* Lung
  - Alveolar Epith
  - Hyperplasia
  - Minimal
- \* Nose
  - Olfactory Epi
  - Accumulation, Hyaline Droplet
  - Mild
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Moderate
  - Respirat Epith
  - Hyperplasia
  - Mild
  - Inflammation
  - Chronic Active, Mild
  - Luteoma
- \* Ovary
  - [ Luteoma TGLs = 2-8 ]
- \* Pituitary Gland
  - Pars Distalis
  - Adenoma
- [ Adenoma TGLs = 5-9 ]
- \* Uterus
  - Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 1-12 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Uterus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mediastinal
- \* Salivary Glands
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Ovary
- \* Stomach, Forestomach
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland

OBSERVATIONS

- \* Gallbladder
  - Degeneration
  - Hyperplasia
  - Lymphoma Malignant
 Hyaline, Minimal  
Mild
- \* Kidney
  - Degeneration
  - Angiectasis
  - Lymphoma Malignant
 Hyaline, Minimal  
Moderate
- \* Larynx
- \* Liver
  - [ Lymphoma Malignant TGLs = 1-5 ]
- \* Lung
  - Degeneration
 Hyaline, Minimal
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Respirat Epith
  - Duct
  - Accumulation, Hyaline Droplet
  - Accumulation, Hyaline Droplet
  - Hyperplasia
  - Carcinoma
 Marked  
Marked  
Minimal
- \* Pancreas
  - [ Carcinoma TGLs = 3,4-12+13 ]
- \* Spleen
  - [ Lymphoma Malignant TGLs = 2-5 ]
  - Lymphoma Malignant
- \* Trachea
  - Degeneration
 Hyaline, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                           |                             |                            |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | * Bone                      | * Bone Marrow              |
| * Brain                  | * Clitoral Gland          | * Esophagus                 | * Eye                      |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum   |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic     | * Larynx                  | * Lung                      | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                    |
| * Pancreas               | * Pituitary Gland         | * Salivary Glands           | * Skin                     |
| * Stomach, Forestomach   | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland            |
| * Trachea                | * Urinary Bladder         |                             |                            |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |  |                               |                  |
|---------------------------|--|-------------------------------|------------------|
| * Intestine Small, Ileum  |  | Ulcer                         | Mild             |
| * Kidney                  |  | Nephropathy                   | Minimal          |
| * Liver                   |  | Hepatocellular Adenoma        | Multiple         |
|                           | [ Hepatocellular Adenoma TGLs = 1,2-6+17 ] |                               |                  |
| * Lymph Node, Mediastinal |  | Lymphoma Malignant            |                  |
| * Nose                    | Respirat Epith                             | Accumulation, Hyaline Droplet | Mild             |
|                           | Olfactory Epi                              | Accumulation, Hyaline Droplet | Mild             |
|                           | Respirat Epith                             | Hyperplasia                   | Mild             |
| * Spleen                  |  | Lymphoma Malignant            |                  |
|                           | [ Lymphoma Malignant TGLs = 3-5 ]          |                               |                  |
| * Uterus                  | Endometrium                                | Hyperplasia                   | Cystic, Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 53998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Medulla
- \* Kidney
- \* Liver
- [ Hemorrhage TGLs = 6-13 ]
- [ Hepatocellular Adenoma TGLs = 2,3,4,5,8-5+6+12+14+15 ]
- \* Nose
- \* Pituitary Gland
- [ Adenoma TGLs = 1-9 ]
- \* Uterus
- [ Hyperplasia TGLs = 7-9 ]
- Hyperplasia
- Nephropathy
- Eosinophilic Focus
- Hemorrhage
- Hepatocellular Adenoma
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Hyperplasia
- Metaplasia
- Necrosis
- Adenoma
- Hyperplasia
- Moderate
- Minimal
- Mild
- Multiple
- Moderate
- Mild
- Mild
- Squamous, Minimal
- Minimal
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 647

DOSE: Control

DISP: Natural Death

HISTO: 53999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Skin
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Bone
- \* Esophagus
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Larynx
- \* Ovary
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Stomach, Glandular
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Urinary Bladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric

OBSERVATIONS

- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Spleen
- \* Uterus
- Infarct
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Hyperplasia
- Hematopoietic Cell Proliferation
- Hyperplasia
- Mild
- Multiple
- Metastatic (Liver)
- Minimal
- Minimal
- Moderate
- Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Bronchial  |
| * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thyroid Gland            | * Urinary Bladder         |                             |                          |

MISSING

- |                     |          |
|---------------------|----------|
| * Parathyroid Gland | * Thymus |
|---------------------|----------|

OBSERVATIONS

- |           |                                       |                               |                      |
|-----------|---------------------------------------|-------------------------------|----------------------|
| * Kidney  |                                       | Infarct                       | Mild                 |
|           |                                       | Nephropathy                   | Mild                 |
| * Larynx  |                                       | Metaplasia                    | Squamous, Mild       |
| * Liver   |                                       | Eosinophilic Focus            |                      |
|           |                                       | Hepatocellular Adenoma        |                      |
|           | [ Hepatocellular Adenoma TGLs = 1-5 ] |                               |                      |
| * Nose    | Respirat Epith                        | Accumulation, Hyaline Droplet | Mild                 |
|           | Olfactory Epi                         | Accumulation, Hyaline Droplet | Minimal              |
|           | Respirat Epith                        | Hyperplasia                   | Minimal              |
|           | Olfactory Epi                         | Metaplasia                    | Respiratory, Minimal |
| * Trachea |                                       | Foreign Body                  |                      |
| * Uterus  | Endometrium                           | Hyperplasia                   | Cystic, Marked       |
|           | [ Hyperplasia TGLs = 2-9 ]            |                               |                      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lung                     |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         | * Uterus                    |                          |                            |

MISSING

- |                         |                          |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- |                   |                     |                               |         |
|-------------------|---------------------|-------------------------------|---------|
| * Adrenal Cortex  |                     | Hyperplasia                   | Minimal |
| * Kidney          |                     | Infarct                       | Minimal |
|                   |                     | Nephropathy                   | Minimal |
| * Nose            | Respirat Epith      | Accumulation, Hyaline Droplet | Mild    |
|                   | Respirat Epith      | Hyperplasia                   | Minimal |
| * Ovary           |                     | Cyst                          | Mild    |
|                   | [ Cyst TGLs = 1-8 ] |                               |         |
| * Pancreas        |                     | Necrosis                      | Minimal |
| * Pituitary Gland | Pars Distalis       | Hyperplasia                   | Minimal |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nose
- \* Ovary
- \* Pancreas
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
    - [ Carcinoma TGLs = 2-11 ]
  - \* Kidney
    - Carcinoma
    - Nephropathy
    - Eosinophilic Focus
    - Hepatocellular Adenoma
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 4,5-5+13 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Adenoma TGLs = 1-4 ]
    - Alveolar/Bronchiolar Adenoma
  - \* Pituitary Gland
    - [ Adenoma TGLs = 3-9 ]
    - Pars Distalis
    - Adenoma
  - \* Uterus
    - Endometrium
    - Hyperplasia
- Minimal
- Multiple
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 599

DOSE: Control

DISP: Natural Death

HISTO: 54004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                  | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic     |
| * Larynx                 | * Liver                   | * Lung                      | * Lymph Node, Mesenteric |
| * Mammary Gland          | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland        | * Salivary Glands         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach   | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Trachea                | * Urinary Bladder         |                             |                          |

MISSING

- |                         |                          |                           |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |                          |                |                               |                  |
|--------------------------|----------------|-------------------------------|------------------|
| * Intestine Small, Ileum |                | Carcinoma                     |                  |
| * Kidney                 |                | Nephropathy                   | Minimal          |
| * Nose                   | Respirat Epith | Accumulation, Hyaline Droplet | Minimal          |
|                          | Respirat Epith | Hyperplasia                   | Minimal          |
| * Uterus                 | Endometrium    | Hyperplasia                   | Cystic, Moderate |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 1,2,3,4,5,6-5+12+13+15 ]
- Lymph Node
  - [ Angiectasis TGLs = 8-16 ]
- Mesentery
  - [ Necrosis TGLs = 9-16 ]
- \* Nose
- \* Trachea
- \* Uterus
- Renal
- Fat
- Respirat Epith
- Respirat Epith
- Endometrium
- Hypertrophy
- Hepatocellular Adenoma
- Angiectasis
- Necrosis
- Accumulation, Hyaline Droplet
- Hyperplasia
- Inflammation
- Hyperplasia
- Marked
- Multiple
- Marked
- Mild
- Minimal
- Minimal
- Chronic Active, Mild
- Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 611

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 54006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Intestine Small, Duodenum
  - \* Kidney
  - [ Nephropathy TGLs = 5-6 ]
  - \* Liver
  - [ Eosinophilic Focus TGLs = 4-12 ]
  - [ Hepatocellular Adenoma TGLs = 2-5 ]
  - [ Infarct TGLs = 3,6-5+13 ]
  - [ Neoplasm Nos TGLs = 1-12 ]
  - \* Nose
  - \* Uterus
- Inflammation  
Nephropathy  
  
Eosinophilic Focus  
Hepatocellular Adenoma  
Infarct  
Inflammation  
Neoplasm Nos
- Suppurative, Minimal  
Moderate  
  
Mild  
Suppurative, Mild
- Hyperplasia  
Hyperplasia
- Minimal  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

- Liver Neoplasm Nos

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 649

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 54007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spleen
- \* Trachea

MISSING

- \* Clitoral Gland
- \* Lymph Node, Bronchial
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
  - \* Liver
  - Lymph Node
    - [ Inflammation TGLs = 3,4-12+13 ]
  - \* Nose
  - \* Ovary
    - [ Cyst TGLs = 2-8 ]
  - \* Pancreas
  - \* Uterus
    - [ Hyperplasia TGLs = 1-9 ]
- Lumbar, Renal
- Respirat Epith  
Respirat Epith
- Endometrium
- Hyperplasia  
Fatty Change  
Inflammation
- Accumulation, Hyaline Droplet  
Hyperplasia  
Cyst
- Inflammation  
Hyperplasia  
Inflammation
- Minimal  
Marked  
Granulomatous, Mild
- Minimal  
Minimal  
Moderate
- Chronic Active, Mild  
Cystic, Marked  
Chronic Active, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE





TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Salivary Glands
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 1-6 ]
- \* Lung
- \* Lymph Node, Mediastinal
- \* Nose
- \* Spleen
- \* Thymus
- \* Uterus
- Nephropathy
- Clear Cell Focus
- Lymphoma Malignant
- Lymphoma Malignant
- Lymphoma Malignant
- Accumulation, Hyaline Droplet
- Hyperplasia
- Lymphoma Malignant
- Lymphoma Malignant
- Endometrium
- Hyperplasia
- Polyp Stromal
- Minimal
- Minimal
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 491

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 54010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus

MISSING

- \* Lymph Node, Bronchial

OBSERVATIONS

- \* Adrenal Cortex
- \* Liver
- \* Nose
- \* Pancreas
- \* Skin
- [ Necrosis TGLs = 1-6 ]
- \* Uterus
- [ Hyperplasia TGLs = 2-9 ]
- Respirat Epith Artery
- Endometrium
- Hyperplasia
- Necrosis
- Accumulation, Hyaline Droplet
- Inflammation
- Necrosis
- Hyperplasia
- Minimal
- Mild
- Minimal
- Chronic Active, Mild
- Moderate
- Cystic, Marked

PRIMARY CAUSE OF DEATH - Skin Necrosis

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- |                  |                          |                          |                     |
|------------------|--------------------------|--------------------------|---------------------|
| * Clitoral Gland | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland |
|------------------|--------------------------|--------------------------|---------------------|

OBSERVATIONS

- |          |                                       |                               |                |
|----------|---------------------------------------|-------------------------------|----------------|
| * Heart  |                                       | Cardiomyopathy                | Minimal        |
| * Kidney |                                       | Nephropathy                   | Minimal        |
| * Liver  |                                       | Hepatocellular Adenoma        |                |
|          | [ Hepatocellular Adenoma TGLs = 2-5 ] |                               |                |
| * Lung   | Alveolar Epith                        | Hyperplasia                   | Minimal        |
| * Nose   | Respirat Epith                        | Accumulation, Hyaline Droplet | Mild           |
|          | Olfactory Epi                         | Accumulation, Hyaline Droplet | Mild           |
|          | Respirat Epith                        | Hyperplasia                   | Minimal        |
| * Uterus | Endometrium                           | Hyperplasia                   | Cystic, Marked |
|          | [ Hyperplasia TGLs = 1-9 ]            |                               |                |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                 | * Liver                    |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                         |                           |                     |          |
|-------------------------|---------------------------|---------------------|----------|
| * Lymph Node, Bronchial | * Lymph Node, Mediastinal | * Parathyroid Gland | * Thymus |
|-------------------------|---------------------------|---------------------|----------|

OBSERVATIONS

- |                              |                |                               |              |
|------------------------------|----------------|-------------------------------|--------------|
| * Adrenal Medulla            |                | Pheochromocytoma Malignant    |              |
| [ Pheochromocytoma Malignant | TGLs = 1-17 ]  |                               |              |
| * Nose                       | Respirat Epith | Accumulation, Hyaline Droplet | Minimal      |
|                              | Respirat Epith | Hyperplasia                   | Minimal      |
| * Spleen                     |                | Hemangiosarcoma               |              |
| * Uterus                     | Endometrium    | Hyperplasia                   | Cystic, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

- |          |  |                               |                         |
|----------|--|-------------------------------|-------------------------|
| * Heart  |  | Cardiomyopathy                | Minimal                 |
| * Kidney |  | Nephropathy                   | Minimal                 |
| * Liver  |  | Hepatocellular Adenoma        |                         |
|          |  | Hepatocellular Carcinoma      |                         |
|          | [ Hepatocellular Adenoma TGLs = 2-6 ]    |                               |                         |
|          | [ Hepatocellular Carcinoma TGLs = 1-17 ] |                               |                         |
| * Lung   |  | Hepatocellular Carcinoma      | Metastatic (Liver)      |
|          |  | Inflammation                  | Chronic Active, Minimal |
| * Nose   | Olfactory Epi                            | Accumulation, Hyaline Droplet | Minimal                 |
|          | Respirat Epith                           | Accumulation, Hyaline Droplet | Minimal                 |
| * Uterus | Endometrium                              | Hyperplasia                   | Cystic, Mild            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54014

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lung                     |
| * Lymph Node, Bronchial   | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

- |                  |                          |                     |
|------------------|--------------------------|---------------------|
| * Clitoral Gland | * Lymph Node, Mandibular | * Parathyroid Gland |
|------------------|--------------------------|---------------------|

**OBSERVATIONS**

- |          |                                  |   |                                  |
|----------|----------------------------------|---|----------------------------------|
| * Kidney | Artery                           | Inflammation<br>Lymphoma Malignant<br>Nephropathy | Chronic Active, Mild<br><br>Mild |
| * Nose   | Respirat Epith<br>Respirat Epith | Accumulation, Hyaline Droplet<br>Hyperplasia      | Minimal<br>Minimal               |
| * Spleen |                                  | Lymphoma Malignant                                |                                  |
| * Uterus | Endometrium                      | Hyperplasia                                       | Cystic, Moderate                 |

[ Hyperplasia TGLs = 1-9 ]

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 590

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 54015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Mammary Gland
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Heart Mineralization Minimal
- \* Kidney Nephropathy Minimal
- \* Liver Histiocytic Sarcoma
- [ Histiocytic Sarcoma TGLs = 6-5 ]
- \* Lung Histiocytic Sarcoma
- Lymph Node Iliac Histiocytic Sarcoma
- [ Histiocytic Sarcoma TGLs = 7-13 ]
- \* Lymph Node, Bronchial Histiocytic Sarcoma
- \* Lymph Node, Mediastinal Histiocytic Sarcoma
- \* Lymph Node, Mesenteric Histiocytic Sarcoma
- Mesentery Fat Histiocytic Sarcoma
- [ Histiocytic Sarcoma TGLs = 3-8 ]
- [ Necrosis TGLs = 4-12 ]
- \* Ovary Cyst Mild
- [ Cyst TGLs = 2-8 ]
- \* Spleen Histiocytic Sarcoma
- [ Histiocytic Sarcoma TGLs = 5-5 ]
- \* Urinary Bladder Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 590

DOSE: Control

DISP: Moribund Sacrifice

HISTO: 54015

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Uterus

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLs = 1-6 ]

---

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lung
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland  
[ Carcinoma TGLs = 2-11 ]
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Liver  
[ Hepatocellular Adenoma TGLs = 3,4,5-5+6 ]
- \* Nose  
Respirat Epith  
Respirat Epith
- \* Ovary
- \* Salivary Glands  
[ Myxoma TGLs = 1-8 ]
- \* Uterus  
Endometrium
- Carcinoma
- Cardiomyopathy
- Hyperplasia
- Nephropathy
- Hepatocellular Adenoma
- Accumulation, Hyaline Droplet
- Hyperplasia
- Cystadenoma
- Myxoma
- Hyperplasia
- Minimal
- Mild
- Minimal
- Multiple
- Minimal
- Minimal
- Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           | * Uterus                 |

MISSING

- |                         |                          |                     |
|-------------------------|--------------------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Parathyroid Gland |
|-------------------------|--------------------------|---------------------|

OBSERVATIONS

- |                   |                                       |                               |          |
|-------------------|---------------------------------------|-------------------------------|----------|
| * Kidney          |                                       | Nephropathy                   | Minimal  |
| * Liver           |                                       | Hepatocellular Adenoma        | Multiple |
|                   | [ Hepatocellular Adenoma TGLs = 1-6 ] |                               |          |
| * Nose            | Respirat Epith                        | Accumulation, Hyaline Droplet | Moderate |
|                   | Olfactory Epi                         | Accumulation, Hyaline Droplet | Minimal  |
|                   | Respirat Epith                        | Hyperplasia                   | Minimal  |
| * Pituitary Gland | Pars Distalis                         | Hyperplasia                   | Minimal  |

\* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland	* Parathyroid Gland
------------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLs = 3-13 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Lumbar, Renal	Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 7,8-16+17 ]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 2-8 ]		
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 5-3 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 9-7 ]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLs = 6-9 ]		
* Skin		Necrosis	Mild
	[ Necrosis TGLs = 1-15 ]		
* Spleen		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: Control

DISP: Terminal Sacrifice

HISTO: 54018

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Lymphoma Malignant TGLs = 4-5 ]

\* Thymus

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 478

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Adrenal Medulla
  - \* Bone Marrow
  - \* Liver
  - \* Lung
  - \* Nose
  - \* Spleen
  - \* Uterus
- [ Hematopoietic Cell Proliferation TGLs = 2-5 ]
- [ Inflammation TGLs = 1-9 ]

Myeloid Cell

Turbinate  
Respirat Epith  
Olfactory Epi

TGLs = 2-5 ]

Inflammation  
Inflammation  
Hyperplasia  
Inflammation  
Alveolar/Bronchiolar Adenoma  
Atrophy  
Hyperplasia  
Metaplasia  
Hematopoietic Cell Proliferation  
Inflammation  
Ulcer

Suppurative, Mild  
Suppurative, Mild  
Moderate  
Suppurative, Minimal  
Minimal  
Minimal  
Respiratory, Minimal  
Moderate  
Suppurative, Marked  
Marked

PRIMARY CAUSE OF DEATH - Uterus Inflammation

\* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 600

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Mammary Gland          | * Parathyroid Gland        |
| * Pituitary Gland         | * Skin                      | * Stomach, Forestomach   | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |                           |  |                               |                    |
|---------------------------|--|-------------------------------|--------------------|
| * Adrenal Medulla         |  | Hyperplasia                   | Mild               |
| * Kidney                  |  | Lymphoma Malignant            |                    |
| * Liver                   |  | Hepatocellular Carcinoma      |                    |
|                           |  | Lymphoma Malignant            |                    |
|                           | [ Hepatocellular Carcinoma TGLs = 9-12 ] |                               |                    |
|                           | [ Lymphoma Malignant TGLs = 8-5+12 ]     |                               |                    |
| * Lung                    |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
|                           |  | Lymphoma Malignant            |                    |
|                           |  | Lymphoma Malignant            |                    |
| Lymph Node                | Iliac, Renal                             |                               |                    |
|                           | [ Lymphoma Malignant TGLs = 5,6-6+13 ]   |                               |                    |
| * Lymph Node, Bronchial   |  | Lymphoma Malignant            |                    |
| * Lymph Node, Mandibular  |  | Lymphoma Malignant            |                    |
| * Lymph Node, Mediastinal |  | Lymphoma Malignant            |                    |
|                           | [ Lymphoma Malignant TGLs = 7-3 ]        |                               |                    |
| * Lymph Node, Mesenteric  |  | Lymphoma Malignant            |                    |
|                           | [ Lymphoma Malignant TGLs = 10-7 ]       |                               |                    |
| Mesentery                 |  | Lymphoma Malignant            |                    |
|                           | Fat                                      | Necrosis                      | Mild               |
|                           | [ Lymphoma Malignant TGLs = 4-6 ]        |                               |                    |
| * Nose                    | Respirat Epith                           | Accumulation, Hyaline Droplet | Mild               |
|                           | Olfactory Epi                            | Accumulation, Hyaline Droplet | Mild               |
|                           | Turbinat                                 | Atrophy                       | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 600

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54270

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperostosis	Minimal
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Respiratory, Minimal
		Necrosis	Minimal
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 3-5 ]		
* Stomach, Glandular		Necrosis	Mild
	[ Necrosis TGLs = 11-14 ]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Skin
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Salivary Glands
- \* Thyroid Gland

INSUFFICIENT TISSUE

- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland  
[ Adenoma TGLs = 10-11 ] Adenoma
- \* Kidney  
[ Lymphoma Malignant TGLs = 2,3-6+12 ] Lymphoma Malignant
- \* Liver  
[ Lymphoma Malignant TGLs = 4,5,6,7,8,9-5+6+14+15+16+17 ] Eosinophilic Focus  
Lymphoma Malignant
- \* Lung Lymphoma Malignant
- \* Lymph Node, Bronchial Lymphoma Malignant
- \* Lymph Node, Mandibular Lymphoma Malignant
- \* Lymph Node, Mesenteric Lymphoma Malignant  
[ Lymphoma Malignant TGLs = 11-6 ]
- \* Nose  
Respirat Epith Accumulation, Hyaline Droplet Minimal  
Turbinate Atrophy Minimal  
Hyperostosis Minimal  
Respirat Epith Hyperplasia Minimal  
Olfactory Epi Metaplasia Respiratory, Minimal
- \* Spleen  
[ Lymphoma Malignant TGLs = 1-5 ] Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54271

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ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Thymus

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                  | * Lymph Node, Mesenteric   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                  |                          |
|------------------|--------------------------|
| * Clitoral Gland | * Lymph Node, Mandibular |
|------------------|--------------------------|

OBSERVATIONS

- |                           |                                   |                                  |                      |
|---------------------------|-----------------------------------|----------------------------------|----------------------|
| * Kidney                  | Glomerulus                        | Amyloid Deposition               | Minimal              |
|                           |                                   | Nephropathy                      | Minimal              |
| * Lung                    |                                   | Myxosarcoma                      | Metastatic (Skin)    |
|                           | [ Myxosarcoma TGLs = 1,4,5-4+12 ] |                                  |                      |
| * Lymph Node, Bronchial   |                                   | Myxosarcoma                      | Metastatic (Skin)    |
| * Lymph Node, Mediastinal |                                   | Myxosarcoma                      | Metastatic (Skin)    |
| * Mammary Gland           |                                   | Carcinoma                        |                      |
|                           | [ Carcinoma TGLs = 2-14 ]         |                                  |                      |
| * Nose                    | Respirat Epith                    | Accumulation, Hyaline Droplet    | Mild                 |
|                           | Olfactory Epi                     | Accumulation, Hyaline Droplet    | Minimal              |
|                           | Turbinate                         | Atrophy                          | Minimal              |
|                           |                                   | Hyperostosis                     | Minimal              |
|                           | Respirat Epith                    | Hyperplasia                      | Minimal              |
|                           | Olfactory Epi                     | Metaplasia                       | Respiratory, Minimal |
| * Ovary                   |                                   | Cystadenoma                      |                      |
|                           | [ Cystadenoma TGLs = 7-8 ]        |                                  |                      |
| * Skin                    | Subcut Tiss                       | Myxosarcoma                      |                      |
|                           | [ Myxosarcoma TGLs = 6-16+17 ]    |                                  |                      |
| * Spleen                  |                                   | Hematopoietic Cell Proliferation | Moderate             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54272

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Hematopoietic Cell Proliferation TGLs = 3-5 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 719

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Spleen
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Thymus
- \* Uterus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Cortex [ Hyperplasia TGLs = 3-3 ] Subcapsular Hyperplasia Mild
- \* Heart Cardiomyopathy Minimal
- \* Kidney Infarct Mild
- \* Liver [ Hepatocellular Carcinoma TGLs = 2-12 ] Hepatocellular Carcinoma
- \* Lung Vein Necrosis Minimal
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Minimal
- Respirat Epith Hyperostosis Minimal
- Olfactory Epi Hyperplasia Minimal
- \* Pituitary Gland [ Hyperplasia TGLs = 4-9 ] Pars Distalis Metaplasia Respiratory, Minimal
- Hyperplasia Moderate
- \* Salivary Glands Necrosis Minimal
- \* Skin [ Necrosis TGLs = 1-6 ] Necrosis Mild
- \* Stomach, Forestomach Artery Inflammation Chronic Active, Mild
- \* Stomach, Glandular Artery Inflammation Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 478

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Uterus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Ovary
- \* Salivary Glands
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Skin
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder

OBSERVATIONS

- \* Liver [ Hepatocellular Carcinoma TGLs = 4,5,6,7-5+12 ] Hepatocellular Carcinoma Multiple
- \* Lung [ Hepatocellular Carcinoma TGLs = 1,2,3-4 ] Hepatocellular Carcinoma Metastatic (Liver)
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Minimal
- Respirat Epith Hyperplasia Minimal
- \* Spleen Hematopoietic Cell Proliferation Moderate
- [ Hematopoietic Cell Proliferation TGLs = 8-5 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Salivary Glands         |
| * Skin                      | * Spleen                 | * Stomach, Glandular       | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- |                  |                          |                           |                     |
|------------------|--------------------------|---------------------------|---------------------|
| * Clitoral Gland | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Parathyroid Gland |
|------------------|--------------------------|---------------------------|---------------------|

OBSERVATIONS

- |                        |   |                         |                      |
|------------------------|---|-------------------------|----------------------|
| * Heart                |   | Cardiomyopathy          | Minimal              |
| * Kidney               |   | Infarct                 | Mild                 |
|                        |   | Nephropathy             | Mild                 |
| * Liver                |   | Hepatocellular Adenoma  | Multiple             |
|                        | [ Hepatocellular Adenoma TGLs = 1,2-5+6 ] |                         |                      |
| * Nose                 | Respirat Epith                            | Hyperplasia             | Minimal              |
|                        | Olfactory Epi                             | Metaplasia              | Respiratory, Minimal |
| * Pituitary Gland      | Pars Distalis                             | Adenoma                 |                      |
| * Stomach, Forestomach |   | Squamous Cell Papilloma |                      |
|                        | [ Squamous Cell Papilloma TGLs = 4-9 ]    |                         |                      |
| * Uterus               | Endometrium                               | Hyperplasia             | Cystic, Mild         |

Animal Note: TGL 3 = NCL



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 673

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Uterus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Urinary Bladder

OBSERVATIONS

- \* Adrenal Medulla
- \* Heart
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Ovary
- \* Pituitary Gland
- \* Trachea
- Artery
- Artery
- [ Hepatocellular Carcinoma TGLs = 4-12+13 ]
- [ Hepatocellular Carcinoma TGLs = 1,2,3-4 ]
- Respirat Epith
- Turbinate
- Olfactory Epi
- Pars Distalis
- Artery
- Hyperplasia
- Cardiomyopathy
- Inflammation
- Inflammation
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Atrophy
- Metaplasia
- Cystadenoma
- Hyperplasia
- Inflammation
- Moderate
- Minimal
- Chronic Active, Moderate
- Chronic Active, Moderate
- Metastatic (Liver)
- Minimal
- Minimal
- Respiratory, Minimal
- Mild
- Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Salivary Glands
- \* Thymus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Liver
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Lung
    - Lymph Node
      - [ Lymphoma Malignant TGLs = 4-6 ]
  - \* Lymph Node, Mediastinal
    - [ Lymphoma Malignant TGLs = 1-3 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Ovary
    - [ Thrombosis TGLs = 3-12 ]
  - \* Pancreas
  - \* Spleen
    - [ Lymphoma Malignant TGLs = 2-14 ]
  - \* Uterus
    - Endometrium
- Inflammation  
Lymphoma Malignant  
  
Lymphoma Malignant  
  
Accumulation, Hyaline Droplet  
Accumulation, Hyaline Droplet  
Atrophy  
Hyperplasia  
Metaplasia  
Thrombosis  
  
Fibrosis  
Inflammation  
Lymphoma Malignant  
  
Hyperplasia
- Chronic Active, Minimal  
  
  
  
Mild  
Minimal  
Minimal  
Minimal  
Respiratory, Minimal  
Moderate  
  
Mild  
Chronic Active, Minimal  
  
Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                            |                           |                             |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                   | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum  | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    |
| * Liver                   | * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mandibular    |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     |
| * Pancreas                | * Pituitary Gland          | * Salivary Glands         | * Skin                      |
| * Spleen                  | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Thyroid Gland           | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- |                  |               |                     |
|------------------|---------------|---------------------|
| * Clitoral Gland | * Gallbladder | * Parathyroid Gland |
|------------------|---------------|---------------------|

OBSERVATIONS

- |          |                |                |                  |
|----------|----------------|----------------|------------------|
| * Heart  |                | Cardiomyopathy | Minimal          |
| * Kidney |                | Nephropathy    | Minimal          |
| * Nose   | Turbinate      | Atrophy        | Minimal          |
|          | Respirat Epith | Hyperplasia    | Minimal          |
| * Uterus | Endometrium    | Hyperplasia    | Cystic, Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Mammary Gland          | * Pancreas                 |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |   |                               |                      |
|---------------------------|---|-------------------------------|----------------------|
| * Heart                   |   | Mineralization                | Minimal              |
| * Kidney                  |   | Nephropathy                   | Minimal              |
| * Liver                   |   | Hepatocellular Adenoma        | Multiple             |
|                           | [ Hepatocellular Adenoma TGLs = 4,6-5 ] |                               |                      |
| * Lung                    |   | Hemorrhage                    | Mild                 |
|                           | [ Hemorrhage TGLs = 7-4 ]               |                               |                      |
| Lymph Node                | Renal                                   | Lymphoma Malignant            |                      |
|                           | [ Lymphoma Malignant TGLs = 5-6 ]       |                               |                      |
| * Lymph Node, Bronchial   |   | Lymphoma Malignant            |                      |
| * Lymph Node, Mandibular  |   | Lymphoma Malignant            |                      |
| * Lymph Node, Mediastinal |   | Lymphoma Malignant            |                      |
| * Lymph Node, Mesenteric  |   | Lymphoma Malignant            |                      |
| * Nose                    | Respirat Epith                          | Accumulation, Hyaline Droplet | Minimal              |
|                           | Olfactory Epi                           | Accumulation, Hyaline Droplet | Mild                 |
|                           | Turbinate                               | Atrophy                       | Minimal              |
|                           | Respirat Epith                          | Hyperplasia                   | Minimal              |
|                           | Olfactory Epi                           | Metaplasia                    | Respiratory, Minimal |
| * Ovary                   |   | Cyst                          | Marked               |
|                           | [ Cyst TGLs = 1-8 ]                     |                               |                      |
| * Spleen                  |   | Lymphoma Malignant            |                      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54280

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Lymphoma Malignant TGLs = 2,3-5+12 ]

\* Thymus

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 582

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                 |
| * Liver                    | * Lung                    | * Lymph Node, Bronchial     | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Pancreas               |
| * Parathyroid Gland        | Peripheral Nerve          | * Pituitary Gland           | * Salivary Glands        |
| Skeletal Muscle            | * Skin                    | Spinal Cord                 | * Spleen                 |
| * Stomach, Forestomach     | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

- |                      |                             |  |                    |
|----------------------|-----------------------------|--|--------------------|
| * Nose               | Respirat Epith<br>Turbinate | Accumulation, Hyaline Droplet<br>Atrophy | Minimal<br>Minimal |
| * Ovary              |                             | Cyst                                     | Mild               |
| [ Cyst TGLs = 1-8 ]  |                             |  |                    |
| * Stomach, Glandular |                             | Mineralization                           | Minimal            |
| * Uterus             | Endometrium                 | Hyperplasia                              | Cystic, Moderate   |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

OBSERVATIONS

- \* Kidney Nephropathy Minimal
- \* Liver Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 1-5 ]
- \* Lung Alveolar Epith Hyperplasia Minimal
- Alveolus Infiltration Cellular Histiocyte, Minimal
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 3-6 ]
- \* Nose Turbinate Atrophy Minimal
- Respirat Epith Hyperplasia Minimal
- Olfactory Epi Metaplasia Respiratory, Minimal
- \* Spleen Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 2-5 ]
- \* Stomach, Glandular Mineralization Minimal
- \* Uterus Endometrium Hyperplasia Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 690

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pituitary Gland
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Skin
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder

OBSERVATIONS

- \* Adrenal Cortex Hyperplasia Minimal
- \* Kidney Nephropathy Minimal
- \* Liver Lymphoma Malignant
- \* Lung Lymphoma Malignant
- Lymph Node Lymphoma Malignant
- Deep Cervical, Iliac, Renal
- [ Lymphoma Malignant TGLs = 6,7,8,9-6+12+14+15 ]
- \* Lymph Node, Bronchial Lymphoma Malignant
- \* Lymph Node, Mandibular Lymphoma Malignant
- \* Lymph Node, Mediastinal Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 1-3 ]
- \* Lymph Node, Mesenteric Lymphoma Malignant
- Mesentery Necrosis Moderate
- Fat
- [ Necrosis TGLs = 5,10-14+15 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Olfactory Epi Accumulation, Hyaline Droplet Mild
- Turbinat Atrophy Minimal
- \* Ovary Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 3,4-8+13 ]
- \* Salivary Glands Lymphoma Malignant
- \* Spleen Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 2-12 ]
- \* Thymus Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 690

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54283

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Thymus

OBSERVATIONS

- \* Liver
    - [ Eosinophilic Focus TGLs = 4-5 ]
  - Mesentery
    - [ Sarcoma TGLs = 2,3-6+12 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
  - \* Pancreas
    - Endometrium
  - \* Uterus
    - Endometrium
- Eosinophilic Focus
- Sarcoma
- Atrophy
- Hyperplasia
- Sarcoma
- Hyperplasia
- Minimal
- Minimal
- Metastatic (Mesentery)
- Cystic, Moderate

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Gallbladder
- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Infarct
  - Mild
  - Nephropathy
  - Minimal
- \* Liver
  - Angiectasis
  - Mild
- \* Nose
  - Olfactory Epi
  - Accumulation, Hyaline Droplet
  - Mild
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Minimal
  - Turbinate
  - Atrophy
  - Minimal
  - Hyperostosis
  - Minimal
  - Respirat Epith
  - Hyperplasia
  - Minimal
  - Olfactory Epi
  - Metaplasia
  - Respiratory, Minimal
- \* Pancreas
  - Cyst
  - Mild
- \* Pituitary Gland
  - Pars Distalis
  - Hyperplasia
  - Moderate
- \* Uterus
  - Endometrium
  - Hyperplasia
  - Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 558

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Liver
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 1,2-4 ]
    - Mesentery [ Necrosis TGLs = 3-6 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
    - Turbinate
    - Respirat Epith
    - Respirat Epith
    - Olfactory Epi
    - Respirat Epith
  - \* Pituitary Gland
    - Pars Distalis
  - \* Uterus
    - Endometrium
- Alveolar/Bronchiolar Adenoma  
Alveolar/Bronchiolar Carcinoma  
Fat  
Necrosis  
Accumulation, Hyaline Droplet  
Accumulation, Hyaline Droplet  
Atrophy  
Foreign Body  
Hyperplasia  
Inflammation  
Metaplasia  
Metaplasia  
Necrosis  
Hyperplasia  
Hyperplasia
- Moderate  
Mild  
Mild  
Minimal  
Minimal  
Suppurative, Mild  
Squamous, Mild  
Respiratory, Mild  
Minimal  
Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Lymph Node, Bronchial

OBSERVATIONS

- |                        |                                       |                               |                      |
|------------------------|---------------------------------------|-------------------------------|----------------------|
| * Kidney               |                                       | Nephropathy                   | Minimal              |
| * Liver                |                                       | Hepatocellular Adenoma        |                      |
|                        | [ Hepatocellular Adenoma TGLs = 1-6 ] |                               |                      |
| * Nose                 | Olfactory Epi                         | Accumulation, Hyaline Droplet | Mild                 |
|                        | Turbinate                             | Atrophy                       | Minimal              |
|                        | Olfactory Epi                         | Metaplasia                    | Respiratory, Minimal |
| * Ovary                |                                       | Cyst                          | Moderate             |
|                        | [ Cyst TGLs = 2-8 ]                   |                               |                      |
| * Stomach, Forestomach |                                       | Squamous Cell Papilloma       |                      |
| * Uterus               | Endometrium                           | Hyperplasia                   | Cystic, Mild         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Pancreas
- \* Salivary Glands
- \* Skin
- \* Stomach, Glandular
- \* Stomach, Forestomach
- \* Thymus
- \* Thyroid Gland
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
    - [ Adenoma TGLs = 3-15 ]
  - \* Heart
  - \* Kidney
  - \* Liver
    - [ Basophilic Focus TGLs = 4-5 ]
    - [ Eosinophilic Focus TGLs = 4-6 ]
  - \* Nose
    - Respirat Epi
    - Olfactory Epi
    - Turbinate
    - Respirat Epi
    - Respirat Epi
    - Olfactory Epi
    - Respirat Epi
  - \* Ovary
    - [ Cystadenoma TGLs = 5-8 ]
- Adenoma
- Cardiomyopathy
- Nephropathy
- Basophilic Focus
- Eosinophilic Focus
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Metaplasia
- Necrosis
- Cystadenoma
- Minimal
- Mild
- Mild
- Mild
- Mild
- Mild
- Squamous, Minimal
- Respiratory, Mild
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54288

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ORGAN AND ACCOUNTABLE SITE STATUS

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* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hemangiosarcoma	
[ Hemangiosarcoma	TGLs = 1,2-12+13+14 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Harderian Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLs = 2,3-12+14 ]	Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Lymph Node, Bronchial		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Moderate
	Turbinate	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 1-5 ]		
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 690

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Larynx
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3-6 ]
- [ Hepatocellular Carcinoma TGLs = 2-15+16 ]
- \* Lung
- \* Nose
- \* Skin
- [ Fibrosarcoma TGLs = 1-12+13 ]
- [ Fibrous Histiocytoma TGLs = 4-18 ]
- \* Uterus
- Angiectasis
- Nephropathy
- Inflammation
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Hyperplasia
- Fibrosarcoma
- Fibrous Histiocytoma
- Hyperplasia
- Marked
- Mild
- Suppurative, Minimal
- Metastatic (Liver)
- Mild
- Mild
- Cystic, Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 590

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                 | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                         |                          |                     |
|-------------------------|--------------------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Parathyroid Gland |
|-------------------------|--------------------------|---------------------|

OBSERVATIONS

- |   |                |                                  |                              |
|---|----------------|----------------------------------|------------------------------|
| * Harderian Gland                               |                | Carcinoma                        |                              |
| [ Carcinoma TGLs = 2-11 ]                       |                |                                  |                              |
| * Liver   |                | Hepatocellular Adenoma           | Multiple                     |
| [ Hepatocellular Adenoma TGLs = 5,8-5+12 ]      |                |                                  |                              |
| * Lung  |                | Carcinoma                        | Metastatic (Harderian Gland) |
| * Lymph Node, Mediastinal                       |                | Carcinoma                        | Metastatic (Harderian Gland) |
| Mesentery                                       | Fat            | Necrosis                         | Moderate                     |
| [ Necrosis TGLs = 7-13 ]                        |                |                                  |                              |
| * Nose  | Turbinate      | Atrophy                          | Minimal                      |
|   | Respirat Epith | Hyperplasia                      | Mild                         |
| * Spleen  |                | Hematopoietic Cell Proliferation | Moderate                     |
| [ Hematopoietic Cell Proliferation TGLs = 4-5 ] |                |                                  |                              |
| * Uterus  | Endometrium    | Hyperplasia                      | Cystic, Marked               |
| [ Hyperplasia TGLs = 3-12 ]                     |                |                                  |                              |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 529

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Heart
- \* Lymph Node, Mediastinal
- \* Skin
- \* Adrenal Medulla
- \* Esophagus
- \* Larynx
- \* Mammary Gland
- \* Thymus
- \* Bone
- \* Eye
- \* Lung
- \* Pituitary Gland
- \* Thyroid Gland
- \* Brain
- \* Harderian Gland
- \* Lymph Node, Mandibular
- \* Salivary Glands
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Bone Marrow
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Stomach, Glandular
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Pancreas
- \* Urinary Bladder
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Spleen
- \* Uterus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Stomach, Forestomach

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Histiocytic Sarcoma TGLs = 3,4,5,6,7,8-5+12+13 ]
- Mesentery
- [ Necrosis TGLs = 1-14 ]
- \* Nose
- \* Ovary
- Histiocytic Sarcoma
- Histiocytic Sarcoma
- Fat
- Necrosis
- Mild
- Histiocytic Sarcoma
- Histiocytic Sarcoma

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Animal Note: TGL 2 = NCL



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54293

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Lymphoma Malignant TGLs = 1-5 ]

\* Thymus

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Salivary Glands
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Kidney Nephropathy Minimal
- \* Liver Eosinophilic Focus
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 2-6 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Minimal
- Respirat Epith Hyperplasia Minimal
- Olfactory Epi Metaplasia Respiratory, Minimal
- \* Spleen Lymphoma Malignant
- \* Thymus Lymphoma Malignant
- \* Thyroid Gland Follicular Cel Hyperplasia Moderate
- \* Uterus Endometrium Hyperplasia Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE







TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54296

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Thymus

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 471

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Eye [ Cataract TGLs = 1-11 ] Cataract Minimal
- \* Liver [ Hepatocellular Adenoma TGLs = 3-6 ] Hepatocellular Adenoma
- \* Nose Turbinate Atrophy Minimal  
Respirat Epith Hyperplasia Minimal  
Olfactory Epi Metaplasia Respiratory, Minimal
- Skeletal Muscle Hemangiosarcoma  
[ Hemangiosarcoma TGLs = 5-12 ] Hemangiosarcoma
- \* Spleen Hemangiosarcoma  
[ Hemangiosarcoma TGLs = 4-5 ] Hemangiosarcoma
- \* Uterus Endometrium Hyperplasia Cystic, Moderate

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mediastinal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Heart
  - \* Kidney
    - Artery
    - [ Inflammation TGLs = 2-6 ]
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 1-5 ]
    - Mesentery
      - Fat
      - [ Necrosis TGLs = 3-6 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Stomach, Forestomach
  - \* Uterus
    - Endometrium
- Hyperplasia
  - Cardiomyopathy
  - Inflammation
  - Nephropathy
  - Hepatocellular Adenoma
  - Necrosis
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Metaplasia
  - Squamous Cell Papilloma
  - Hyperplasia
- Mild
  - Minimal
  - Chronic Active, Mild
  - Minimal
  - Mild
  - Minimal
  - Minimal
  - Minimal
  - Respiratory, Minimal
  - Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 606

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Medulla
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 6-5 ]
    - Lymph Node Iliac
    - [ Ectasia TGLs = 5-12 ]
    - \* Lymph Node, Mandibular
    - [ Angiectasis TGLs = 2-8 ]
    - \* Nose
    - \* Ovary
    - [ Cyst TGLs = 3-8 ]
    - \* Skin
    - [ Sarcoma TGLs = 1-12 ]
    - \* Uterus
    - [ Hyperplasia TGLs = 4-9 ]
- Respirat Epith  
Turbinate  
Respirat Epith
- Subcut Tiss
- Endometrium
- Hyperplasia
- Ectasia
- Angiectasis
- Accumulation, Hyaline Droplet  
Atrophy  
Hyperplasia  
Cyst
- Sarcoma
- Hyperplasia
- Mild  
Moderate  
Marked  
Mild  
Minimal  
Minimal  
Moderate  
Cystic, Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 642

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Hepatocellular Carcinoma TGLs = 1-6 ]
- \* Nose
- \* Ovary
- [ Cyst TGLs = 4-8 ]
- \* Uterus
- [ Hyperplasia TGLs = 2,3-9 ]
- Nephropathy
- Basophilic Focus
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperplasia
- Metaplasia
- Cyst
- Hyperplasia
- Minimal
- Minimal
- Minimal
- Minimal
- Respiratory, Mild
- Moderate
- Cystic, Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 649

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Stomach, Glandular
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Salivary Glands
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Ovary
- \* Stomach, Forestomach
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Heart Cardiomyopathy Minimal
- \* Kidney Nephropathy Minimal
- \* Liver Clear Cell Focus
- [ Clear Cell Focus TGLs = 4-6 ]
- [ Hepatocellular Adenoma TGLs = 3-5 ]
- \* Lung Inflammation Chronic Active, Minimal
- Lymph Node Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 7,8-15+16 ]
- \* Lymph Node, Mediastinal Lymphoma Malignant
- \* Lymph Node, Mesenteric Lymphoma Malignant
- Mesentery Necrosis Mild
- [ Necrosis TGLs = 6-14 ]
- \* Nose Accumulation, Hyaline Droplet Minimal
- Respirat Epith Accumulation, Hyaline Droplet Mild
- Olfactory Epi Atrophy Minimal
- Turbinat Hyperplasia Minimal
- Respirat Epith Hyperplasia Mild
- \* Pituitary Gland Necrosis Moderate
- Pars Distalis
- \* Skin Necrosis Moderate
- [ Necrosis TGLs = 1,2-12+13 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 649

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54301

ORGAN AND ACCOUNTABLE SITE STATUS

\* Uterus

Endometrium

Histiocytic Sarcoma

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 563

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Bronchial
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Thyroid Gland

MISSING

- \* Ovary

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Kidney
  - Cyst Minimal
  - Nephropathy Minimal
- \* Liver
  - Eosinophilic Focus
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Lymphoma Malignant
- \* Lung
  - [ Eosinophilic Focus TGLs = 12-5 ]
  - [ Hepatocellular Adenoma TGLs = 15-12 ]
  - [ Hepatocellular Carcinoma TGLs = 14-6 ]
  - [ Lymphoma Malignant TGLs = 13-5 ]
  - Alveolar/Bronchiolar Carcinoma
  - Lymphoma Malignant
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 7-12 ]
  - [ Lymphoma Malignant TGLs = 6-4 ]
- Lymph Node
  - Deep Cervical, Iliac
  - Lymphoma Malignant
  - [ Lymphoma Malignant TGLs = 9,16,17-12+13+15 ]

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 563

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54302

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 3-8 ]		
* Lymph Node, Mediastinal		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 8-6 ]		
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Turbinat	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Mild
* Skin		Fibrous Histiocytoma	
		Hemorrhage	Mild
		Lymphoma Malignant	
	[ Fibrous Histiocytoma TGLs = 1-13 ]		
	[ Hemorrhage TGLs = 2-13 ]		
	[ Lymphoma Malignant TGLs = 4-14 ]		
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 10-5 ]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLs = 11-9 ]		

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 592

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Larynx
- \* Ovary
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Glandular
- \* Uterus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Skin
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Intestine Small, Ileum
  - \* Islets, Pancreatic
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Carcinoma TGLs = 4-12 ]
  - \* Lung
    - Lymph Node
    - [ Lymphoma Malignant TGLs = 3-9 ]
  - \* Nose
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Pars Distalis
  - \* Pituitary Gland
    - [ Adenoma TGLs = 1-9 ]
  - \* Spleen
    - [ Hematopoietic Cell Proliferation TGLs = 2-5 ]
  - \* Thyroid Gland
    - Follicular Cel
- Hyperplasia                      Mild
- Hyperplasia                      Mild
- Nephropathy                      Minimal
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma                      Metastatic (Liver)
- Lymphoma Malignant
- Accumulation, Hyaline Droplet                      Minimal
- Atrophy                      Minimal
- Hyperplasia                      Minimal
- Adenoma
- Hematopoietic Cell Proliferation                      Mild
- Hyperplasia                      Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Skin
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Adrenal Cortex
- \* Thymus
- \* Adrenal Medulla
- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Gallbladder
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Nose
- Lymphoma Malignant
- Adenoma
- Lymphoma Malignant
- Lymphoma Malignant
- Alveolar/Bronchiolar Adenoma
- Lymphoma Malignant
- Lymphoma Malignant
- Lymphoma Malignant
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Minimal
- Minimal
- Mild
- Minimal
- Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54304

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Ovary

Lymphoma Malignant

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 2-5 ]

\* Uterus

Hemangioma

---

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Skin
- \* Thymus

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |                         |                               |                      |
|-------------------|-------------------------|-------------------------------|----------------------|
| * Heart           |                         | Cardiomyopathy                | Minimal              |
| * Kidney          |                         | Nephropathy                   | Mild                 |
| * Lung            |                         | Inflammation                  | Chronic Active, Mild |
| Mesentery         | Fat                     | Necrosis                      | Mild                 |
|                   | [ Necrosis TGLs = 1-6 ] |                               |                      |
| * Nose            | Respirat Epith          | Accumulation, Hyaline Droplet | Minimal              |
|                   | Turbinate               | Atrophy                       | Minimal              |
|                   |                         | Hyperostosis                  | Minimal              |
|                   | Respirat Epith          | Hyperplasia                   | Minimal              |
|                   | Olfactory Epi           | Metaplasia                    | Respiratory, Mild    |
| * Pituitary Gland | Pars Distalis           | Adenoma                       |                      |
|                   | [ Adenoma TGLs = 2-9 ]  |                               |                      |
| * Uterus          | Endometrium             | Hyperplasia                   | Cystic, Moderate     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

OBSERVATIONS

- \* Kidney Nephropathy Mild
- \* Liver Hepatocellular Adenoma Multiple  
  - [ Hepatocellular Adenoma TGLs = 2,3,4,5,6-5+6+12+13 ]
- \* Lung Alveolar/Bronchiolar Adenoma
- Mesentery Fat Necrosis Mild  
  - [ Necrosis TGLs = 1-6 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal  
  - Turbinate Atrophy Minimal
  - Hyperostosis Minimal
  - Respirat Epith Hyperplasia Minimal
  - Olfactory Epi Metaplasia Respiratory, Minimal
- \* Spleen Lymphoma Malignant
- \* Thymus Lymphoma Malignant
- \* Uterus Endometrium Hyperplasia Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 554

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                         |                           |                          |                        |
|-------------------------|---------------------------|--------------------------|------------------------|
| * Adrenal Cortex        | * Adrenal Medulla         | * Bone                   | * Bone Marrow          |
| * Brain                 | * Clitoral Gland          | * Esophagus              | * Eye                  |
| * Harderian Gland       | * Islets, Pancreatic      | * Larynx                 | * Lung                 |
| * Lymph Node, Bronchial | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland        |
| * Ovary                 | * Pancreas                | * Parathyroid Gland      | * Pituitary Gland      |
| * Salivary Glands       | * Skin                    | * Spleen                 | * Stomach, Forestomach |
| * Thyroid Gland         | * Trachea                 | * Urinary Bladder        |                        |

MISSING

- |                          |          |
|--------------------------|----------|
| * Lymph Node, Mandibular | * Thymus |
|--------------------------|----------|

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Stomach, Glandular      |

OBSERVATIONS

- |          |              |              |                          |
|----------|--------------|--------------|--------------------------|
| * Heart  | Artery       | Inflammation | Chronic Active, Moderate |
|          |              | Thrombosis   | Marked                   |
| * Kidney | Renal Tubule | Inflammation | Chronic Active, Mild     |
|          |              | Necrosis     | Mild                     |
| * Liver  |              | Necrosis     | Mild                     |
| * Nose   | Turbinate    | Atrophy      | Minimal                  |
| * Uterus | Endometrium  | Hyperplasia  | Cystic, Moderate         |

PRIMARY CAUSE OF DEATH - Heart Thrombosis

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |          |                                       |                               |                      |
|----------|---------------------------------------|-------------------------------|----------------------|
| * Kidney |                                       | Nephropathy                   | Minimal              |
| * Liver  |                                       | Basophilic Focus              |                      |
|          |                                       | Hemangiosarcoma               |                      |
|          |                                       | Hepatocellular Adenoma        |                      |
|          | [ Hemangiosarcoma TGLs = 1-5 ]        |                               |                      |
|          | [ Hepatocellular Adenoma TGLs = 2-6 ] |                               |                      |
| * Nose   | Olfactory Epi                         | Accumulation, Hyaline Droplet | Minimal              |
|          | Turbinate                             | Atrophy                       | Minimal              |
|          |                                       | Hyperostosis                  | Mild                 |
|          | Respirat Epi                          | Hyperplasia                   | Minimal              |
|          | Olfactory Epi                         | Metaplasia                    | Respiratory, Minimal |
| * Uterus | Endometrium                           | Hyperplasia                   | Cystic, Moderate     |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 6.25 ppm

DISP: Natural Death

HISTO: 54309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Uterus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Intestine Small, Ileum
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Carcinoma TGLs = 5,6-5+12+13 ]
  - \* Lung
  - \* Lymph Node, Mesenteric
    - [ Hyperplasia TGLs = 4-7 ]
  - \* Nose
    - Olfactory Epi
    - Turbinate
  - \* Pituitary Gland
    - Pars Distalis
    - [ Adenoma TGLs = 2-9 ]
  - \* Spleen
    - [ Hematopoietic Cell Proliferation TGLs = 3-5 ]
- Carcinoma
- Infarct
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Hyperplasia
- Accumulation, Hyaline Droplet
- Atrophy
- Adenoma
- Hematopoietic Cell Proliferation
- Minimal
- Multiple
- Metastatic (Liver)
- Lymphoid, Marked
- Minimal
- Minimal
- Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                          |                           |
|--------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                   | * Bone Marrow             |
| * Brain                  | * Clitoral Gland           | * Esophagus              | * Eye                     |
| * Gallbladder            | * Harderian Gland          | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx                 | * Lymph Node, Mandibular  |
| * Mammary Gland          | * Pituitary Gland          | * Salivary Glands        | * Skin                    |
| * Spleen                 | * Stomach, Glandular       | * Thyroid Gland          | * Trachea                 |
| * Urinary Bladder        |                            |                          |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                             |   |                          |                      |
|-----------------------------|---|--------------------------|----------------------|
| * Heart                     |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
| * Intestine Large, Cecum    |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
| * Intestine Small, Duodenum |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
| * Islets, Pancreatic        |   | Adenoma                  |                      |
| * Kidney                    |   | Cyst                     | Marked               |
|                             |   | Nephropathy              | Minimal              |
|                             | [ Cyst TGLs = 11-6 ]                                |                          |                      |
| * Liver                     |   | Hepatocholangiocarcinoma |                      |
|                             |   | Necrosis                 | Moderate             |
|                             | [ Hepatocholangiocarcinoma TGLs = 12,13,14-13 ]     |                          |                      |
|                             | [ Necrosis TGLs = 15-13 ]                           |                          |                      |
| * Lung                      |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
|                             | [ Hepatocholangiocarcinoma TGLs = 2,3,4,5,6,7,8-4 ] |                          |                      |
| * Lymph Node, Bronchial     |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
| * Lymph Node, Mediastinal   |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
| * Lymph Node, Mesenteric    |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
| Mesentery                   |   | Hepatocholangiocarcinoma | Metastatic (Liver)   |
|                             | [ Hepatocholangiocarcinoma TGLs = 10,16-6+9 ]       |                          |                      |
| * Nose                      |   | Hyperplasia              | Minimal              |
|                             | Respirat Epith                                      | Metaplasia               | Respiratory, Minimal |
|                             | Olfactory Epi                                       |                          |                      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54310

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Hepatocholangiocarcinoma	Metastatic (Liver)
* Pancreas		Hepatocholangiocarcinoma	Metastatic (Liver)
Skeletal Muscle		Hepatocholangiocarcinoma	Metastatic (Liver)
	[ Hepatocholangiocarcinoma TGLs = 9-12 ]		
* Stomach, Forestomach		Hepatocholangiocarcinoma	Metastatic (Liver)
* Thymus		Hepatocholangiocarcinoma	Metastatic (Liver)
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone                     | * Bone Marrow             | * Brain                     | * Esophagus              |
| * Eye                      | * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                 |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Clitoral Gland

OBSERVATIONS

- |                          |   |                            |                      |
|--------------------------|---|----------------------------|----------------------|
| * Adrenal Cortex         |   | Hyperplasia                | Minimal              |
| * Adrenal Medulla        |   | Pheochromocytoma Malignant |                      |
| * Heart                  |   | Necrosis                   | Chronic, Moderate    |
|                          |   | Thrombosis                 | Marked               |
|                          | [ Necrosis TGLs = 4-5 ]                 |                            |                      |
|                          | [ Thrombosis TGLs = 5-5 ]               |                            |                      |
| * Liver                  |   | Eosinophilic Focus         |                      |
|                          |   | Hepatocellular Adenoma     | Multiple             |
|                          |   | Hepatocellular Carcinoma   |                      |
|                          |   | Lymphoma Malignant         |                      |
|                          | [ Hepatocellular Adenoma TGLs = 1,2-5 ] |                            |                      |
|                          | [ Hepatocellular Carcinoma TGLs = 3-6 ] |                            |                      |
| * Lung                   |   | Lymphoma Malignant         |                      |
| * Lymph Node, Bronchial  |   | Lymphoma Malignant         |                      |
| * Lymph Node, Mandibular |   | Lymphoma Malignant         |                      |
| Mesentery                | Fat                                     | Necrosis                   | Mild                 |
|                          | [ Necrosis TGLs = 6-6 ]                 |                            |                      |
| * Nose                   | Turbinate                               | Atrophy                    | Minimal              |
|                          | Olfactory Epi                           | Metaplasia                 | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54311

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Spleen

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 603

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Trachea

INSUFFICIENT TISSUE

- \* Eye

OBSERVATIONS

- \* Adrenal Cortex Hyperplasia
- \* Harderian Gland Carcinoma  
  - [ Carcinoma TGLs = 1-11 ]
- \* Kidney Nephropathy
- \* Liver Hepatocellular Adenoma  
  - [ Hepatocellular Adenoma TGLs = 3-5 ]
- \* Lung Inflammation
- \* Nose Accumulation, Hyaline Droplet  
  - Respirat Epith Minimal
  - Turbinate Atrophy
  - Carcinoma
  - Lymphoma Malignant
- \* Thymus Metastatic (Harderian Gland)
- \* Uterus Hyperplasia  
  - Endometrium Cystic, Mild
  - [ Polyp Stromal TGLs = 2-9 ] Polyp Stromal

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                 |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                         |                     |
|-------------------------|---------------------|
| * Lymph Node, Bronchial | * Parathyroid Gland |
|-------------------------|---------------------|

OBSERVATIONS

- |          |   |                               |              |
|----------|---|-------------------------------|--------------|
| * Liver  |   | Basophilic Focus              |              |
|          |   | Eosinophilic Focus            |              |
|          |   | Hemangioma                    |              |
|          |   | Hepatocellular Adenoma        | Multiple     |
|          | [ Eosinophilic Focus TGLs = 5-6 ]       |                               |              |
|          | [ Hemangioma TGLs = 4-5 ]               |                               |              |
|          | [ Hepatocellular Adenoma TGLs = 2,3-5 ] |                               |              |
| * Nose   | Respirat Epith                          | Accumulation, Hyaline Droplet | Minimal      |
|          | Turbinate                               | Atrophy                       | Minimal      |
|          | Respirat Epith                          | Hyperplasia                   | Minimal      |
| * Ovary  |   | Cyst                          | Mild         |
|          | [ Cyst TGLs = 1-8 ]                     |                               |              |
| * Uterus | Endometrium                             | Hyperplasia                   | Cystic, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney Artery Inflammation Chronic Active, Mild  
Nephropathy Mild
- \* Liver Hepatocellular Adenoma TGLs = 3-5 ] Multiple  
Hepatocellular Carcinoma TGLs = 2-12 ]  
Hepatocellular Carcinoma
- \* Lung Hepatocellular Carcinoma Metastatic (Liver)  
Mesentery Fat Necrosis Mild  
[ Necrosis TGLs = 4-6 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal  
Olfactory Epi Accumulation, Hyaline Droplet Minimal  
Turbinate Atrophy Minimal  
Respirat Epith Hyperplasia Minimal
- \* Stomach, Forestomach Hyperplasia Squamous, Mild
- \* Uterus Endometrium Hyperplasia Cystic, Marked  
[ Hyperplasia TGLs = 1-9 ]

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone Marrow              | * Brain                   | * Clitoral Gland            | * Esophagus              |
| * Eye                      | * Gallbladder             | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Pancreas               |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

INSUFFICIENT TISSUE

- \* Adrenal Medulla

OBSERVATIONS

- |                   |   |                               |                    |
|-------------------|---|-------------------------------|--------------------|
| * Adrenal Cortex  |   | Hyperplasia                   | Minimal            |
| * Bone            |   | Hyperostosis                  | Mild               |
|                   | [ Hyperostosis TGLs = 4-14 ]              |                               |                    |
| * Harderian Gland |   | Adenoma                       |                    |
|                   | [ Adenoma TGLs = 3-11 ]                   |                               |                    |
| * Kidney          |   | Nephropathy                   | Mild               |
| * Liver           |   | Hepatocellular Adenoma        |                    |
|                   |   | Hepatocellular Carcinoma      |                    |
|                   | [ Hepatocellular Adenoma TGLs = 6-6 ]     |                               |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 5-5+8 ] |                               |                    |
| * Lung            |   | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose            | Respirat Epith                            | Accumulation, Hyaline Droplet | Moderate           |
|                   | Olfactory Epi                             | Accumulation, Hyaline Droplet | Minimal            |
|                   | Turbinat                                  | Atrophy                       | Minimal            |
|                   | Respirat Epith                            | Hyperplasia                   | Mild               |
| * Ovary           |   | Thrombosis                    | Moderate           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54315

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ORGAN AND ACCOUNTABLE SITE STATUS

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* Uterus	[ Thrombosis TGLs = 1-12 ]	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLs = 2-9 ]			

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Intestine Small, Jejunum  
[ Lymphoma Malignant TGLs = 11-12 ]  
Lymphoma Malignant
- \* Kidney  
Nephropathy Minimal
- \* Liver  
Hepatocellular Carcinoma  
Lymphoma Malignant
- [ Hepatocellular Carcinoma TGLs = 9-5 ]  
[ Lymphoma Malignant TGLs = 8-5 ]
- \* Lung  
Hepatocellular Carcinoma Metastatic (Liver)  
Lymphoma Malignant
- [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5,6-4 ]
- \* Lymph Node, Mesenteric  
Lymphoma Malignant
- \* Nose  
Respirat Epith Accumulation, Hyaline Droplet Minimal  
Turbinat Atrophy Minimal  
Respirat Epith Hyperplasia Minimal
- \* Spleen  
Lymphoma Malignant TGLs = 7-5 ]  
Lymphoma Malignant
- \* Uterus  
Endometrium Hyperplasia Cystic, Moderate  
[ Hyperplasia TGLs = 10-9 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54316

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6.25 ppm

DISP: Terminal Sacrifice

HISTO: 54317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric    | * Mammary Gland          | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Salivary Glands        | * Skin                     | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |                                 |                               |                  |
|-------------------|---------------------------------|-------------------------------|------------------|
| * Harderian Gland |                                 | Adenoma                       |                  |
| * Heart           |                                 | Cardiomyopathy                | Minimal          |
| * Kidney          |                                 | Infarct                       | Mild             |
| * Liver           |                                 | Clear Cell Focus              |                  |
|                   | [ Clear Cell Focus TGLs = 1-6 ] |                               |                  |
| * Nose            | Respirat Epith                  | Accumulation, Hyaline Droplet | Mild             |
|                   | Turbinate                       | Atrophy                       | Minimal          |
|                   | Respirat Epith                  | Hyperplasia                   | Minimal          |
| * Pituitary Gland | Pars Distalis                   | Hyperplasia                   | Mild             |
| * Uterus          | Endometrium                     | Hyperplasia                   | Cystic, Moderate |
|                   |                                 | Polyp Stromal                 |                  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Mammary Gland          | * Ovary                    | * Pancreas                |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |  |                        |      |
|---------------------------|--|------------------------|------|
| * Bone Marrow             |  | Lymphoma Malignant     |      |
| * Heart                   |  | Cardiomyopathy         | Mild |
| * Kidney                  |  | Lymphoma Malignant     |      |
|                           | [ Lymphoma Malignant TGLs = 6,7-6 ]                |                        |      |
| * Liver                   |  | Eosinophilic Focus     |      |
|                           |  | Hepatocellular Adenoma |      |
|                           |  | Lymphoma Malignant     |      |
|                           |  | Necrosis               | Mild |
|                           | [ Eosinophilic Focus TGLs = 12-14 ]                |                        |      |
|                           | [ Hepatocellular Adenoma TGLs = 16-5 ]             |                        |      |
|                           | [ Lymphoma Malignant TGLs = 11,13-6+14 ]           |                        |      |
|                           | [ Necrosis TGLs = 14,15,17-5+13+14 ]               |                        |      |
| * Lung                    |  | Lymphoma Malignant     |      |
| Lymph Node                | Deep Cervical, Lumbar, Renal                       | Lymphoma Malignant     |      |
|                           | [ Lymphoma Malignant TGLs = 3,8,9,10-15+16+17+18 ] |                        |      |
| * Lymph Node, Bronchial   |  | Lymphoma Malignant     |      |
| * Lymph Node, Mandibular  |  | Lymphoma Malignant     |      |
|                           | [ Lymphoma Malignant TGLs = 1-8 ]                  |                        |      |
| * Lymph Node, Mediastinal |  | Lymphoma Malignant     |      |
| * Lymph Node, Mesenteric  |  | Lymphoma Malignant     |      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 6.25 ppm

DISP: Moribund Sacrifice

HISTO: 54318

ORGAN AND ACCOUNTABLE SITE STATUS

[ Lymphoma Malignant TGLs = 18-7 ]

Mesentery

Fat

Lymphoma Malignant

Necrosis

Mild

[ Lymphoma Malignant TGLs = 20-20 ]

[ Necrosis TGLs = 19-19 ]

\* Nose

Turbinates

Atrophy

Minimal

Respirat Epith

Hyperplasia

Minimal

Olfactory Epi

Metaplasia

Respiratory, Minimal

\* Spleen

Lymphoma Malignant

Necrosis

Mild

[ Lymphoma Malignant TGLs = 4-12 ]

[ Necrosis TGLs = 5-12 ]

\* Stomach, Forestomach

Hyperplasia

Squamous, Mild

Necrosis

Mild

\* Thymus

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 2-3 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                           |                          |                            |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | * Bone                   | * Bone Marrow              |
| * Brain                  | * Clitoral Gland          | * Esophagus              | * Eye                      |
| * Gallbladder            | * Harderian Gland         | * Heart                  | * Intestine Large, Cecum   |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic     | * Larynx                  | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric  | * Mammary Gland          | * Ovary                    |
| * Pancreas               | * Parathyroid Gland       | * Pituitary Gland        | * Salivary Glands          |
| * Skin                   | * Spleen                  | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                 | * Thyroid Gland           | * Trachea                | * Urinary Bladder          |

MISSING

- \* Lymph Node, Mediastinal

OBSERVATIONS

- |                             |                |                               |                         |
|-----------------------------|----------------|-------------------------------|-------------------------|
| * Intestine Small, Duodenum |                | Inflammation                  | Chronic Active, Minimal |
| * Kidney                    |                | Nephropathy                   | Minimal                 |
| * Liver                     |                | Clear Cell Focus              |                         |
| * Nose                      | Respirat Epith | Accumulation, Hyaline Droplet | Mild                    |
|                             | Turbinate      | Atrophy                       | Mild                    |
|                             | Respirat Epith | Hyperplasia                   | Minimal                 |
|                             | Respirat Epith | Metaplasia                    | Squamous, Mild          |
|                             | Olfactory Epi  | Metaplasia                    | Respiratory, Mild       |
| * Uterus                    | Endometrium    | Hyperplasia                   | Cystic, Mild            |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 665

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland

OBSERVATIONS

- \* Intestine Large, Cecum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 2,3,4-5+12+13 ]
- Mesentery
  - [ Sarcoma TGLs = 1,7-14+15 ]
- \* Nose
  - Turbinate
  - Respirat Epith
  - Olfactory Epi
  - Respirat Epith
  - Olfactory Epi
- Skeletal Muscle
  - [ Sarcoma TGLs = 6-16 ]
- \* Stomach, Glandular
- \* Uterus
  - [ Hyperplasia TGLs = 5-9 ]
- Sarcoma
- Adenoma
- Nephropathy
- Hepatocellular Adenoma
- Sarcoma
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Necrosis
- Necrosis
- Sarcoma
- Necrosis
- Sarcoma
- Hyperplasia
- Metastatic (Skeletal Muscle)
- Minimal
- Multiple
- Metastatic (Skeletal Muscle)
- Mild
- Mild
- Mild
- Respiratory, Mild
- Minimal
- Minimal
- Mild
- Metastatic (Skeletal Muscle)
- Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 665

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54170

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Skeletal Muscle Sarcoma

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- |                  |                          |          |
|------------------|--------------------------|----------|
| * Clitoral Gland | * Lymph Node, Mandibular | * Thymus |
|------------------|--------------------------|----------|

OBSERVATIONS

- |          |  |                               |                      |
|----------|--|-------------------------------|----------------------|
| * Heart  |  | Cardiomyopathy                | Minimal              |
| * Kidney |  | Cyst                          | Moderate             |
|          |  | Nephropathy                   | Mild                 |
| * Liver  |  | Hepatocellular Adenoma        | Multiple             |
|          |  | Hepatocellular Carcinoma      | Multiple             |
|          | [ Hepatocellular Adenoma TGLs = 3,4-5+6 ]  |                               |                      |
|          | [ Hepatocellular Carcinoma TGLs = 1-5+12 ] |                               |                      |
| * Lung   |  | Hepatocellular Carcinoma      | Metastatic (Liver)   |
| * Nose   | Respirat Epith                             | Accumulation, Hyaline Droplet | Minimal              |
|          | Turbinate                                  | Atrophy                       | Mild                 |
|          |  | Hyperostosis                  | Minimal              |
|          | Olfactory Epi                              | Metaplasia                    | Respiratory, Minimal |
| * Ovary  |  | Cyst                          | Moderate             |
| * Uterus | Endometrium                                | Hyperplasia                   | Cystic, Marked       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Pancreas               |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- |           |  |                                |                      |
|-----------|--|--------------------------------|----------------------|
| * Kidney  |  | Nephropathy                    | Minimal              |
| * Liver   |  | Clear Cell Focus               |                      |
| * Lung    |  | Alveolar/Bronchiolar Carcinoma |                      |
|           | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-12 ] |                                |                      |
| Mesentery |  | Angiectasis                    | Mild                 |
|           | [ Angiectasis TGLs = 2-6 ]                     |                                |                      |
| * Nose    | Respirat Epith                                 | Accumulation, Hyaline Droplet  | Minimal              |
|           | Turbinate                                      | Atrophy                        | Mild                 |
|           |  | Hyperostosis                   | Mild                 |
|           | Respirat Epith                                 | Hyperplasia                    | Minimal              |
|           | Olfactory Epi                                  | Metaplasia                     | Respiratory, Minimal |
| * Ovary   |  | Cyst                           | Moderate             |
|           | [ Cyst TGLs = 3-8 ]                            |                                |                      |
| * Uterus  | Endometrium                                    | Hyperplasia                    | Cystic, Mild         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 632

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Liver
    - [ Clear Cell Focus TGLs = 1-5 ]
  - \* Nose
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
    - Pars Distalis
  - \* Pituitary Gland
  - \* Uterus
- Clear Cell Focus
  - Necrosis
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Inflammation
  - Metaplasia
  - Hyperplasia
  - Hyperplasia
- Minimal
  - Mild
  - Mild
  - Mild
  - Suppurative, Minimal
  - Respiratory, Minimal
  - Mild
  - Cystic, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Bone Marrow Myeloid Cell Hyperplasia Moderate
- \* Heart Cardiomyopathy Minimal
- \* Kidney Nephropathy Minimal
- \* Liver Hepatocellular Adenoma Inflammation Chronic Active, Moderate
- \* Lymph Node, Mesenteric Lymphoma Malignant
- \* Nose [ Lymphoma Malignant TGLs = 5-14 ] Respirat Epith Accumulation, Hyaline Droplet Minimal
- \* Ovary [ Cystadenoma TGLs = 4-13 ] Turbinate Atrophy Mild
- \* Skin [ Fibrous Histiocytoma TGLs = 1-6 ] Olfactory Epi Metaplasia Respiratory, Minimal
- \* Spleen Cystadenoma
- \* Thymus Fibrous Histiocytoma
- \* Uterus Hematopoietic Cell Proliferation Marked
- Endometrium Lymphoma Malignant
- Hyperplasia Cystic, Moderate

PRIMARY CAUSE OF DEATH - Skin Fibrous Histiocytoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Skin
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                             |                         |              |                         |
|-----------------------------|-------------------------|--------------|-------------------------|
| * Adrenal Cortex            |                         | Hyperplasia  | Minimal                 |
| * Intestine Small, Duodenum |                         | Adenoma      |                         |
|                             | [ Adenoma TGLs = 1-12 ] |              |                         |
| * Liver                     |                         | Infarct      | Marked                  |
|                             | [ Infarct TGLs = 2-6 ]  |              |                         |
| * Lung                      |                         | Inflammation | Chronic Active, Minimal |
| * Nose                      | Turbinate               | Atrophy      | Mild                    |
|                             |                         | Hyperostosis | Mild                    |
|                             | Olfactory Epi           | Metaplasia   | Respiratory, Mild       |
| * Pituitary Gland           | Pars Distalis           | Adenoma      |                         |
| * Uterus                    | Endometrium             | Hyperplasia  | Cystic, Mild            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 392

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Adrenal Cortex
  - Hyperplasia
  - Hypertrophy
- \* Heart
  - Cardiomyopathy
- \* Kidney
  - Nephropathy
- \* Larynx
  - Metaplasia
- \* Liver
  - Fatty Change
- \* Lung
  - [ Fatty Change TGLs = 7-8 ]
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 1,2,3,4,5,6-4 ]
- \* Nose
  - Turbinate
  - Olfactory Epi

- Minimal
- Minimal
- Mild
- Minimal
- Squamous, Mild
- Mild
- Alveolar/Bronchiolar Carcinoma
- Atrophy
- Metaplasia
- Moderate
- Respiratory, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |          |   |                               |                   |
|----------|---|-------------------------------|-------------------|
| * Heart  |   | Cardiomyopathy                | Minimal           |
| * Kidney |   | Hydronephrosis                | Moderate          |
|          |   | Nephropathy                   | Minimal           |
|          | [ Hydronephrosis TGLs = 2-6 ]               |                               |                   |
| * Liver  |   | Hepatocellular Adenoma        | Multiple          |
|          | [ Hepatocellular Adenoma TGLs = 3,4,5-5+6 ] |                               |                   |
| * Nose   | Respirat Epith                              | Accumulation, Hyaline Droplet | Mild              |
|          | Turbinate                                   | Atrophy                       | Mild              |
|          |   | Hyperostosis                  | Mild              |
|          | Respirat Epith                              | Hyperplasia                   | Mild              |
|          | Olfactory Epi                               | Metaplasia                    | Respiratory, Mild |
| * Spleen |   | Lymphoma Malignant            |                   |
|          | [ Lymphoma Malignant TGLs = 1-5 ]           |                               |                   |
| * Uterus | Endometrium                                 | Hyperplasia                   | Cystic, Moderate  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                         |                          |                     |
|-------------------------|--------------------------|---------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Parathyroid Gland |
|-------------------------|--------------------------|---------------------|

OBSERVATIONS

- |                   |  |                        |                      |
|-------------------|--|------------------------|----------------------|
| * Kidney          |  | Nephropathy            | Minimal              |
| * Liver           |  | Eosinophilic Focus     |                      |
|                   |  | Hepatocellular Adenoma | Multiple             |
|                   | [ Hepatocellular Adenoma TGLs = 2,3-5+12 ] |                        |                      |
| * Nose            | Turbinate                                  | Atrophy                | Moderate             |
|                   |  | Hyperostosis           | Mild                 |
|                   | Respirat Epith                             | Hyperplasia            | Mild                 |
|                   | Olfactory Epi                              | Metaplasia             | Respiratory, Minimal |
| * Pituitary Gland | Pars Distalis                              | Hyperplasia            | Marked               |
| * Spleen          |  | Lymphoma Malignant     |                      |
| * Thymus          |  | Lymphoma Malignant     |                      |
|                   | [ Lymphoma Malignant TGLs = 1-3 ]          |                        |                      |
| * Uterus          | Endometrium                                | Hyperplasia            | Cystic, Marked       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mediastinal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Harderian Gland
- \* Heart
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 4,7,8-5+6 ]
- [ Hepatocellular Carcinoma TGLs = 5-5 ]
- \* Lung
- [ Alveolar/Bronchiolar Carcinoma TGLs = 1,2,3-4+12 ]
- Mesentery
- [ Necrosis TGLs = 6-6 ]
- \* Nose
- \* Uterus
- Hyperplasia
- Hyperplasia
- Cardiomyopathy
- Nephropathy
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Alveolar/Bronchiolar Carcinoma
- Necrosis
- Atrophy
- Hyperplasia
- Metaplasia
- Hyperplasia
- Mild
- Mild
- Minimal
- Mild
- Multiple
- Multiple
- Mild
- Mild
- Minimal
- Respiratory, Minimal
- Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 524

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Lung
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Ovary
- \* Salivary Glands
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Intestine Small, Duodenum
- \* Urinary Bladder

OBSERVATIONS

- \* Liver [ Hepatocellular Adenoma TGLs = 1-5 ] Hepatocellular Adenoma
- \* Nose Turbinate Atrophy Mild
- Respirat Epith Hyperostosis Minimal
- \* Stomach, Forestomach Hyperplasia Minimal
- \* Uterus Endometrium Necrosis Minimal
- [ Hyperplasia TGLs = 2-9 ] Hyperplasia Cystic, Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 620

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |          |   |                                  |                      |
|----------|---|----------------------------------|----------------------|
| * Kidney |   | Nephropathy                      | Minimal              |
| * Liver  |   | Necrosis                         | Mild                 |
|          | [ Necrosis TGLs = 2-5 ]                         |                                  |                      |
| * Nose   | Respirat Epith                                  | Accumulation, Hyaline Droplet    | Minimal              |
|          | Turbinate                                       | Atrophy                          | Moderate             |
|          |   | Hyperostosis                     | Mild                 |
|          | Respirat Epith                                  | Hyperplasia                      | Minimal              |
|          | Olfactory Epi                                   | Metaplasia                       | Respiratory, Minimal |
| * Skin   | Subcut Tiss                                     | Hemangiosarcoma                  |                      |
|          | [ Hemangiosarcoma TGLs = 3-12 ]                 |                                  |                      |
| * Spleen |   | Hematopoietic Cell Proliferation | Moderate             |
|          | [ Hematopoietic Cell Proliferation TGLs = 1-5 ] |                                  |                      |
| * Uterus | Endometrium                                     | Hyperplasia                      | Cystic, Mild         |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                   |                         |                          |                           |
|-------------------|-------------------------|--------------------------|---------------------------|
| * Adrenal Cortex  | * Adrenal Medulla       | * Bone                   | * Bone Marrow             |
| * Brain           | * Clitoral Gland        | * Esophagus              | * Eye                     |
| * Harderian Gland | * Heart                 | * Islets, Pancreatic     | * Larynx                  |
| * Lung            | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Mammary Gland   | * Ovary                 | * Pancreas               | * Pituitary Gland         |
| * Salivary Glands | * Skin                  | * Stomach, Forestomach   | * Thymus                  |
| * Thyroid Gland   | * Trachea               |                          |                           |

MISSING

- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  |
| * Stomach, Glandular        | * Urinary Bladder        |                            |                           |

OBSERVATIONS

- |          |   |                                  |                   |
|----------|---|----------------------------------|-------------------|
| * Kidney | Renal Tubule                                    | Pigmentation                     | Minimal           |
| * Liver  | [ Hepatocellular Adenoma TGLs = 4-5 ]           | Hepatocellular Adenoma           |                   |
|          | Mesentery                                       | Hemangiosarcoma                  |                   |
|          | [ Hemangiosarcoma TGLs = 5-12 ]                 |                                  |                   |
| * Nose   | Turbinate                                       | Atrophy                          | Mild              |
|          | Respirat Epith                                  | Hyperostosis                     | Minimal           |
|          | Olfactory Epi                                   | Hyperplasia                      | Minimal           |
| * Spleen | [ Hematopoietic Cell Proliferation TGLs = 3-5 ] | Metaplasia                       | Respiratory, Mild |
|          | Endometrium                                     | Hematopoietic Cell Proliferation | Moderate          |
| * Uterus |   | Hyperplasia                      | Cystic, Minimal   |

PRIMARY CAUSE OF DEATH - Mesentery Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |                                  |                                |                   |
|-------------------|----------------------------------|--------------------------------|-------------------|
| * Adrenal Cortex  |                                  | Hyperplasia                    | Minimal           |
| * Eye             |                                  | Degeneration                   | Marked            |
| * Harderian Gland |                                  | Carcinoma                      |                   |
|                   | [ Carcinoma TGLs = 2-12 ]        |                                |                   |
| * Kidney          |                                  | Nephropathy                    | Minimal           |
| * Lung            |                                  | Alveolar/Bronchiolar Carcinoma |                   |
|                   | [ Alveolar/Bronchiolar Carcinoma | Infiltration Cellular          | Histiocyte, Mild  |
|                   | TGLs = 1-4 ]                     |                                |                   |
| * Nose            | Turbinate                        | Atrophy                        | Mild              |
|                   |                                  | Hyperostosis                   | Moderate          |
|                   | Olfactory Epi                    | Metaplasia                     | Respiratory, Mild |
| * Pituitary Gland | Pars Distalis                    | Hyperplasia                    | Mild              |
| * Uterus          | Endometrium                      | Hyperplasia                    | Cystic, Moderate  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mediastinal
- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex
    - Hyperplasia
    - Hypertrophy
  - \* Kidney
    - Nephropathy
  - \* Liver
    - Eosinophilic Focus
    - Necrosis
  - [ Eosinophilic Focus TGLs = 2-5 ]
  - \* Lung
    - Inflammation
  - Mesentery
    - Necrosis
  - [ Necrosis TGLs = 1-6 ]
  - \* Nose
    - Turbinate
    - Atrophy
    - Hyperostosis
  - \* Ovary
    - Respirat Epith
    - Olfactory Epi
    - Hyperplasia
    - Metaplasia
    - Cyst
  - [ Cyst TGLs = 3-8 ]
  - \* Uterus
    - Endometrium
    - Angiectasis
    - Hyperplasia
    - Thrombosis
- Minimal  
Minimal  
Minimal  
Minimal  
Chronic Active, Minimal  
Mild  
Moderate  
Moderate  
Minimal  
Respiratory, Mild  
Moderate  
Moderate  
Cystic, Marked  
Minimal

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54184

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Angiectasis TGLs = 4-9 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                 |
| * Lung                     | * Lymph Node, Bronchial   | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- |          |                                       |                               |                      |
|----------|---------------------------------------|-------------------------------|----------------------|
| * Liver  |                                       | Fatty Change                  | Minimal              |
|          | [ Hepatocellular Adenoma TGLs = 1-5 ] | Hepatocellular Adenoma        |                      |
| * Nose   | Respirat Epith                        | Accumulation, Hyaline Droplet | Minimal              |
|          | Turbinate                             | Atrophy                       | Mild                 |
|          |                                       | Hyperostosis                  | Minimal              |
| * Skin   | Olfactory Epi                         | Metaplasia                    | Respiratory, Minimal |
|          | Subcut Tiss                           | Myxosarcoma                   |                      |
|          | [ Myxosarcoma TGLs = 2-12 ]           |                               |                      |
| * Uterus | Endometrium                           | Hyperplasia                   | Cystic, Moderate     |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Myxosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                         |                          |                           |                          |
|-------------------------|--------------------------|---------------------------|--------------------------|
| * Adrenal Cortex        | * Adrenal Medulla        | * Bone                    | * Bone Marrow            |
| * Brain                 | * Esophagus              | * Eye                     | * Gallbladder            |
| * Harderian Gland       | * Heart                  | * Islets, Pancreatic      | * Larynx                 |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland         | * Pancreas               | * Parathyroid Gland       | * Pituitary Gland        |
| * Salivary Glands       | * Skin                   | * Stomach, Forestomach    | * Stomach, Glandular     |
| * Thymus                | * Thyroid Gland          | * Trachea                 | * Urinary Bladder        |

MISSING

- \* Clitoral Gland

AUTO PRECLUDES DIAG.

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum |                           |                             |

OBSERVATIONS

- |          |   |                                  |                      |
|----------|---|----------------------------------|----------------------|
| * Kidney |   | Nephropathy                      | Minimal              |
| * Liver  |   | Eosinophilic Focus               |                      |
|          |   | Hepatocellular Adenoma           | Multiple             |
|          |   | Hepatocellular Carcinoma         |                      |
|          | [ Eosinophilic Focus TGLs = 5,6-12+14 ]       |                                  |                      |
|          | [ Hepatocellular Adenoma TGLs = 4,5,6-06+12 ] |                                  |                      |
|          | [ Hepatocellular Carcinoma TGLs = 3-13 ]      |                                  |                      |
| * Lung   |   | Hepatocellular Carcinoma         | Metastatic (Liver)   |
| * Nose   | Respirat Epith                                | Accumulation, Hyaline Droplet    | Minimal              |
|          | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Minimal              |
|          | Turbinate                                     | Atrophy                          | Moderate             |
|          |   | Hyperostosis                     | Mild                 |
|          | Respirat Epith                                | Hyperplasia                      | Mild                 |
|          | Olfactory Epi                                 | Metaplasia                       | Respiratory, Minimal |
| * Ovary  |   | Cyst                             | Moderate             |
| * Spleen |   | Hematopoietic Cell Proliferation | Moderate             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54186

ORGAN AND ACCOUNTABLE SITE STATUS

[ Hematopoietic Cell Proliferation TGLs = 2-5 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Heart
  - Lymphoma Malignant
  - Adenoma
- \* Islets, Pancreatic
  - Nephropathy
- \* Kidney
  - Hepatocellular Adenoma
- \* Liver
  - Lymphoma Malignant
- \* Lung
  - [ Hepatocellular Adenoma TGLs = 4-6 ]
  - Alveolar Epith
  - Hyperplasia
- \* Nose
  - [ Hyperplasia TGLs = 2-4 ]
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Olfactory Epi
  - Accumulation, Hyaline Droplet
  - Turbinate
  - Atrophy
  - Hyperostosis
  - Respirat Epith
  - Hyperplasia
  - Olfactory Epi
  - Metaplasia
- \* Spleen
  - [ Lymphoma Malignant TGLs = 1-5 ]
  - Lymphoma Malignant
- \* Uterus
  - Endometrium
  - Hyperplasia

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Skin
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Spleen
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Heart
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- \* Ovary
- \* Stomach, Glandular
- Cardiomyopathy
- Infarct
- Metaplasia
- Nephropathy
- Eosinophilic Focus
- Hepatocellular Adenoma
- Alveolar Epith
- Olfactory Epi
- Respirat Epith
- Turbinate
- Respirat Epith
- Olfactory Epi
- Hyperplasia
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Cyst
- Mineralization
- Minimal
- Mild
- Osseous, Mild
- Mild
- Multiple
- Mild
- Minimal
- Minimal
- Mild
- Moderate
- Moderate
- Respiratory, Moderate
- Moderate
- Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54189

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ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney Nephropathy Minimal
- \* Liver Clear Cell Focus
- Hepatocellular Adenoma Multiple
- [ Clear Cell Focus TGLs = 3-12 ]
- [ Hepatocellular Adenoma TGLs = 1,2-5+6 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Moderate
- Olfactory Epi Accumulation, Hyaline Droplet Mild
- Turbinate Atrophy Mild
- Hyperostosis Minimal
- Respirat Epith Hyperplasia Minimal
- Olfactory Epi Metaplasia Respiratory, Minimal
- \* Stomach, Glandular Mineralization Minimal
- \* Uterus Endometrium Hyperplasia Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Salivary Glands
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
    - [ Adenoma TGLs = 12-11 ]
  - \* Liver
    - [ Hemangiosarcoma TGLs = 5-14 ]
    - [ Hepatocellular Adenoma TGLs = 6,7,8,9,10-5+15+16+17 ]
  - \* Mammary Gland
    - [ Carcinoma TGLs = 13-12 ]
  - Mesentery
    - [ Necrosis TGLs = 11-20 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
    - Turbinate
    - Respirat Epith
    - Respirat Epith
    - Olfactory Epi
    - Respirat Epith
- |  |                               |                       |
|--|-------------------------------|-----------------------|
|  | Adenoma                       |                       |
|  | Hemangiosarcoma               |                       |
|  | Hepatocellular Adenoma        | Multiple              |
|  | Carcinoma                     |                       |
|  | Necrosis                      | Mild                  |
|  | Accumulation, Hyaline Droplet | Mild                  |
|  | Accumulation, Hyaline Droplet | Minimal               |
|  | Atrophy                       | Moderate              |
|  | Hyperostosis                  | Moderate              |
|  | Hyperplasia                   | Minimal               |
|  | Metaplasia                    | Squamous, Minimal     |
|  | Metaplasia                    | Respiratory, Moderate |
|  | Necrosis                      | Minimal               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54191

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLs = 14-9 ]			
* Skin	Subcut Tiss	Necrosis	Mild
[ Necrosis TGLs = 2,3-18+19 ]		Sarcoma	
[ Sarcoma TGLs = 1-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Kidney
    - Metaplasia
    - Nephropathy
  - \* Liver
    - Hepatocellular Adenoma TGLs = 4,6,7-5+6+12 ]
    - Hepatocellular Adenoma
  - \* Nose
    - Turbinate
    - Atrophy
    - Hyperostosis
    - Hyperplasia
    - Metaplasia
    - Metaplasia
    - Necrosis
    - Hemangioma
  - \* Ovary
    - [ Hemangioma TGLs = 3-8 ]
    - Hemangioma
  - \* Pituitary Gland
    - Pars Distalis
    - Adenoma
  - \* Skin
    - [ Necrosis TGLs = 1-12 ]
    - Necrosis
  - \* Thyroid Gland
    - Follicular Cel
    - Hyperplasia
- Osseous, Mild  
Mild  
Multiple  
Moderate  
Mild  
Mild  
Respiratory, Mild  
Squamous, Minimal  
Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54192

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Polyp Stromal

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 536

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Kidney
- \* Larynx
- \* Liver
- [ Necrosis TGLs = 4-5 ]
- \* Nose
- [ Thrombosis TGLs = 3-8 ]
- \* Ovary
- \* Uterus
- [ Inflammation TGLs = 2-9 ]
- Necrosis
- Carcinoma
- Infarct
- Necrosis
- Inflammation
- Necrosis
- Turbinate
- Respirat Epith
- Olfactory Epi
- Olfactory Epi
- Thrombosis
- Inflammation
- Necrosis
- Mild
- Mild
- Mild
- Mild
- Chronic Active, Mild
- Mild
- Mild
- Mild
- Minimal
- Respiratory, Mild
- Minimal
- Moderate
- Suppurative, Marked
- Moderate

PRIMARY CAUSE OF DEATH - Uterus Inflammation

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone                     | * Bone Marrow             |
| * Brain                     | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Liver                  | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  |
| * Mammary Gland             | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- |                          |         |
|--------------------------|---------|
| * Lymph Node, Mesenteric | * Ovary |
|--------------------------|---------|

OBSERVATIONS

- |                           |                            |              |                        |
|---------------------------|----------------------------|--------------|------------------------|
| * Clitoral Gland          |                            | Hyperplasia  | Minimal                |
| * Heart                   |                            | Sarcoma      | Metastatic (Mesentery) |
| * Kidney                  |                            | Nephropathy  | Minimal                |
| * Lung                    |                            | Sarcoma      | Metastatic (Mesentery) |
|                           | [ Sarcoma TGLs = 1-4 ]     |              |                        |
| * Lymph Node, Mediastinal |                            | Sarcoma      | Metastatic (Mesentery) |
|                           | Mesentery                  | Sarcoma      |                        |
|                           | [ Sarcoma TGLs = 3-12+13 ] |              |                        |
| * Nose                    | Turbinate                  | Atrophy      | Mild                   |
|                           |                            | Hyperostosis | Mild                   |
|                           | Respirat Epith             | Hyperplasia  | Minimal                |
|                           | Olfactory Epi              | Metaplasia   | Respiratory, Mild      |
| * Pancreas                |                            | Sarcoma      | Metastatic (Mesentery) |
| * Uterus                  | Endometrium                | Hyperplasia  | Cystic, Marked         |

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Larynx                    | * Lung                   | * Mammary Gland            | * Pancreas                |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |  |                               |                      |
|---------------------------|--|-------------------------------|----------------------|
| * Adrenal Cortex          |  | Hypertrophy                   | Moderate             |
| * Heart                   |  | Cardiomyopathy                | Minimal              |
| * Kidney                  |  | Nephropathy                   | Mild                 |
| * Liver                   |  | Hepatocellular Adenoma        | Multiple             |
|                           |  | Hepatocellular Carcinoma      |                      |
|                           |  | Lymphoma Malignant            |                      |
|                           | [ Hepatocellular Adenoma TGLs = 2,3-6+13 ] |                               |                      |
|                           | [ Hepatocellular Carcinoma TGLs = 1-5 ]    |                               |                      |
| * Lymph Node, Bronchial   |  | Lymphoma Malignant            |                      |
| * Lymph Node, Mandibular  |  | Lymphoma Malignant            |                      |
| * Lymph Node, Mediastinal |  | Lymphoma Malignant            |                      |
| * Lymph Node, Mesenteric  |  | Lymphoma Malignant            |                      |
|                           | [ Lymphoma Malignant TGLs = 6-7 ]          |                               |                      |
| * Nose                    | Respirat Epith                             | Accumulation, Hyaline Droplet | Minimal              |
|                           | Turbinate                                  | Atrophy                       | Mild                 |
|                           |  | Hyperostosis                  | Mild                 |
|                           | Respirat Epith                             | Hyperplasia                   | Mild                 |
|                           | Olfactory Epi                              | Metaplasia                    | Respiratory, Minimal |
| * Ovary                   |  | Cyst                          | Moderate             |
|                           | [ Cyst TGLs = 7-8 ]                        |                               |                      |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54195

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ORGAN AND ACCOUNTABLE SITE STATUS

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* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 4,5-5+12 ]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus
- \* Uterus

OBSERVATIONS

- \* Adrenal Medulla
- \* Brain
- \* Kidney
- \* Liver
  - [ Hepatocellular Carcinoma TGLs = 1-12 ]
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Turbinate
  - Respirat Epith
  - Olfactory Epi
  - Pars Distalis
- \* Pituitary Gland
  - [ Carcinoma TGLs = 2-1+9 ]

- Hyperplasia
- Carcinoma
- Nephropathy
- Hepatocellular Carcinoma
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Carcinoma
- Mild
- Metastatic (Pituitary Gland)
- Minimal
- Mild
- Minimal
- Mild
- Mild
- Moderate
- Respiratory, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                           |                             |                            |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | * Bone                      | * Bone Marrow              |
| * Brain                  | * Clitoral Gland          | * Esophagus                 | * Eye                      |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum   |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic     | * Kidney                  | * Larynx                    | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                    |
| * Pancreas               | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands          |
| * Skin                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                   |
| * Thyroid Gland          | * Trachea                 | * Urinary Bladder           |                            |

MISSING

- \* Lymph Node, Mediastinal

OBSERVATIONS

- |                          |   |                                  |                      |
|--------------------------|---|----------------------------------|----------------------|
| * Intestine Small, Ileum |   | Hemorrhage                       | Mild                 |
|                          |   | Hyperplasia                      | Moderate             |
|                          |   | Inflammation                     | Chronic Active, Mild |
| * Liver                  |   | Clear Cell Focus                 |                      |
|                          |   | Hepatocellular Adenoma           | Multiple             |
|                          |   | Necrosis                         | Moderate             |
|                          | [ Hepatocellular Adenoma TGLs = 2,3-5+6 ]       |                                  |                      |
|                          | [ Necrosis TGLs = 4-5+6 ]                       |                                  |                      |
| * Lung                   | Alveolar Epith                                  | Hyperplasia                      | Minimal              |
| Mesentery                | Fat   | Necrosis                         | Mild                 |
|                          | [ Necrosis TGLs = 5-6 ]                         |                                  |                      |
| * Nose                   | Turbinate                                       | Atrophy                          | Mild                 |
|                          |   | Hyperostosis                     | Mild                 |
|                          | Respirat Epith                                  | Hyperplasia                      | Minimal              |
|                          | Olfactory Epi                                   | Metaplasia                       | Respiratory, Mild    |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate             |
|                          | [ Hematopoietic Cell Proliferation TGLs = 1-5 ] |                                  |                      |
| * Uterus                 | Endometrium                                     | Hyperplasia                      | Cystic, Moderate     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 529

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 639

**DOSE:** 12.5 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 54197

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Intestine Small, Ileum Hemorrhage

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial

INSUFFICIENT TISSUE

- \* Larynx

OBSERVATIONS

- \* Harderian Gland [ Adenoma TGLs = 4-11 ] Adenoma
- \* Kidney Nephropathy Minimal
- \* Liver [ Hepatocellular Adenoma TGLs = 1,2-5 ] Hepatocellular Adenoma Multiple
- \* Nose
  - Respirat Epith Accumulation, Hyaline Droplet Mild
  - Olfactory Epi Accumulation, Hyaline Droplet Minimal
  - Turbinate Atrophy Mild
  - Hyperostosis Minimal
  - Respirat Epith Hyperplasia Mild
  - Olfactory Epi Metaplasia Respiratory, Mild
- \* Pituitary Gland Pars Distalis Hyperplasia Moderate
- \* Uterus Endometrium Hyperplasia Cystic, Marked

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Clitoral Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Intestine Large, Cecum
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 6-5+6 ]
- [ Hepatocellular Carcinoma TGLs = 8-14 ]
- [ Histiocytic Sarcoma TGLs = 7,9-5+6 ]
- \* Nose
- Turbinate
- Olfactory Epi
- \* Ovary
- [ Cyst TGLs = 2-8 ]
- [ Hemangioma TGLs = 3-8 ]
- \* Spleen
- [ Hematopoietic Cell Proliferation TGLs = 1-5 ]

Hyperplasia  
 Infiltration Cellular  
 Nephropathy  
 Hepatocellular Adenoma  
 Hepatocellular Carcinoma  
 Histiocytic Sarcoma

Minimal  
 Mast Cell, Mild  
 Mild

Atrophy  
 Hyperostosis  
 Metaplasia  
 Cyst  
 Hemangioma

Moderate  
 Mild  
 Respiratory, Mild  
 Marked

Hematopoietic Cell Proliferation  
 Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54199

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ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Uterus

Histiocytic Sarcoma

Thrombosis

Marked

[ Histiocytic Sarcoma TGLs = 5-12 ]

[ Thrombosis TGLs = 4-9 ]

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Skin
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Stomach, Glandular
- \* Brain
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Salivary Glands
- \* Trachea

MISSING

- \* Clitoral Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- \* Kidney
- \* Liver
  - [ Eosinophilic Focus TGLs = 3-6 ]
- \* Lung
  - [ Hemorrhage TGLs = 1-4 ]
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Turbinate
- \* Ovary
- \* Pituitary Gland
  - [ Adenoma TGLs = 2-9 ]
- Vacuolization Cytoplasmic
- Cardiomyopathy
- Nephropathy
- Eosinophilic Focus
- Hemorrhage
- Lymphoma Malignant
- Lymphoma Malignant
- Lymphoma Malignant
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Foreign Body
- Hyperostosis
- Respirat Epith
- Olfactory Epi
- Pars Distalis
- Marked
- Minimal
- Minimal
- Mild
- Mild
- Mild
- Mild
- Mild
- Minimal
- Respiratory, Mild
- Mild

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54200

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Larynx
- \* Ovary
- \* Skin
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Lung
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Thyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Ileum
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Intestine Large, Colon
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Kidney
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 3,4-5+12 ]
    - Lymph Node Pancreatic
    - [ Lymphoma Malignant TGLs = 8-12 ]
  - \* Lymph Node, Bronchial
    - [ Lymphoma Malignant TGLs = 7-4 ]
  - \* Lymph Node, Mediastinal
  - \* Lymph Node, Mesenteric
    - [ Lymphoma Malignant TGLs = 6-7+13 ]
  - Mesentery Fat
  - [ Necrosis TGLs = 9-13 ]
  - \* Nose
    - Turbinate
    - Olfactory Epi
  - \* Pituitary Gland
    - Pars Distalis
    - Pars Distalis
  - \* Spleen
    - [ Lymphoma Malignant TGLs = 5-12 ]
- Nephropathy Minimal  
Hepatocellular Adenoma Multiple  
Lymphoma Malignant  
Lymphoma Malignant  
Lymphoma Malignant  
Lymphoma Malignant  
Necrosis Mild  
Atrophy Mild  
Hyperostosis Mild  
Metaplasia Respiratory, Mild  
Angiectasis Mild  
Hyperplasia Minimal  
Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54201

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Thymus

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 2-3 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

- Lymph Node, Mediastinal Lymphoma Malignant

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Heart Cardiomyopathy Minimal
- \* Intestine Small, Ileum Hyperplasia Moderate
- \* Kidney Nephropathy Moderate
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 5-6 ]
- [ Hepatocellular Carcinoma TGLs = 6,7-14+16 ]
- \* Lymph Node, Mediastinal Lymphoma Malignant
- \* Lymph Node, Mesenteric Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 8-7 ]
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 4-18 ]
- \* Nose Turbinate Atrophy Mild
- Respirat Epith Hyperostosis Mild
- Olfactory Epi Hyperplasia Minimal
- \* Spleen Metaplasia Respiratory, Mild
- [ Lymphoma Malignant TGLs = 1,2-5+18 ]
- \* Uterus Lymphoma Malignant
- Adenomyosis Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54202

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Adenomyosis TGLs = 3-12 ] Endometrium

Hyperplasia

Cystic, Minimal

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Brain
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Pancreas
- \* Salivary Glands
- \* Skin
- \* Stomach, Glandular
- \* Stomach, Forestomach
- \* Thymus
- \* Thyroid Gland
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Clitoral Gland
- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Bone Marrow Myeloid Cell Hyperplasia Moderate
- \* Heart Cardiomyopathy Minimal
- \* Kidney Nephropathy Minimal
- \* Liver Eosinophilic Focus Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 1,2,3,4-5+6 ]
- \* Lung Lymphoma Malignant
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 7-14 ]
- \* Nose Respirat Epi Accumulation, Hyaline Droplet Mild
- Olfactory Epi Accumulation, Hyaline Droplet Minimal
- Turbinat Atrophy Moderate
- Hyperostosis Moderate
- Respirat Epi Hyperplasia Minimal
- Olfactory Epi Metaplasia Respiratory, Mild
- \* Ovary Thrombosis Moderate
- [ Thrombosis TGLs = 8-12 ]
- \* Pituitary Gland Pars Distalis Hyperplasia Mild
- \* Spleen Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54203

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

Lymphoma Malignant

[ Hemangiosarcoma TGLs = 6-13 ]

[ Lymphoma Malignant TGLs = 5-13 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3,4-6+14 ]
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung
- Mesentery
- \* Nose
- \* Pituitary Gland
- \* Uterus
- [ Hyperplasia TGLs = 1-9 ]
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Alveolar/Bronchiolar Adenoma
- Necrosis
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Inflammation
- Metaplasia
- Necrosis
- Hyperplasia
- Hyperplasia
- Minimal
- Multiple
- Mild
- Moderate
- Mild
- Mild
- Mild
- Mild
- Mild
- Suppurative, Mild
- Respiratory, Minimal
- Minimal
- Minimal
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 599

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Rectum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Larynx
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Intestine Large, Colon
- \* Liver
- \* Ovary
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Eye
- \* Harderian Gland
- \* Heart
- \* Kidney
- \* Lung
- \* Nose
- Cataract
- Carcinoma
- Inflammation
- Thrombosis
- Inflammation
- Nephropathy
- Infiltration Cellular
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Carcinoma
- Hyperostosis
- Respirat Epith
- Olfactory Epi
- Turbinate
- Papilla
- Alveolus
- Respirat Epith
- Olfactory Epi
- Inflammation
- Metaplasia
- Moderate
- Suppurative, Moderate
- Marked
- Suppurative, Minimal
- Minimal
- Histiocyte, Minimal
- Mild
- Mild
- Mild
- Metastatic (Harderian Gland)
- Mild
- Mild
- Suppurative, Mild
- Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 599

DOSE: 12.5 ppm

DISP: Natural Death

HISTO: 54205

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Necrosis	Minimal
[ Carcinoma TGLs = 2-10+12 ]			
* Salivary Glands		Inflammation	Suppurative, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	- Heart	Thrombosis	

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                    | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus               | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                  | * Lung                     |
| * Lymph Node, Bronchial   | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas                | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach    | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                 | * Urinary Bladder          |

OBSERVATIONS

- |                   |  |                               |                   |
|-------------------|--|-------------------------------|-------------------|
| * Harderian Gland |  | Hyperplasia                   | Mild              |
| * Liver           |  | Hepatocellular Adenoma        | Multiple          |
|                   | [ Hepatocellular Adenoma TGLs = 3,4,5,6,7-5+12+13+14 ] |                               |                   |
| Mesentery         | Fat  | Necrosis                      | Mild              |
|                   | [ Necrosis TGLs = 2-6 ]                                |                               |                   |
| * Nose            | Respirat Epith Turbinate                               | Accumulation, Hyaline Droplet | Minimal           |
|                   |  | Atrophy                       | Mild              |
|                   |  | Hyperostosis                  | Moderate          |
|                   | Respirat Epith   | Hyperplasia                   | Mild              |
|                   | Olfactory Epi  | Metaplasia                    | Respiratory, Mild |
| * Pituitary Gland | Pars Distalis  | Adenoma                       |                   |
|                   | [ Adenoma TGLs = 1-9 ]                                 |                               |                   |
| * Spleen          |  | Lymphoma Malignant            |                   |
| * Uterus          |  | Hemorrhage                    | Mild              |
|                   | Endometrium  | Hyperplasia                   | Cystic, Moderate  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Spleen
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Hyperplasia
  - Hypertrophy
  - Cardiomyopathy
  - Nephropathy
  - Hepatocellular Adenoma
- \* Heart
  - Mild
  - Minimal
  - Mild
- \* Kidney
  - Minimal
- \* Liver
  - Multiple
- [ Hepatocellular Adenoma TGLs = 3,4,6-5+14 ]
- \* Lymph Node, Bronchial
  - Lymphoma Malignant
- \* Lymph Node, Mediastinal
  - Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 1-3 ]
- \* Mammary Gland
  - Carcinoma
- [ Carcinoma TGLs = 2-12 ]
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Metaplasia
  - Cyst
- \* Ovary
  - Mild
  - Mild
  - Moderate
  - Minimal
  - Respiratory, Mild
  - Moderate
- [ Cyst TGLs = 7-8 ]
- \* Pituitary Gland
  - Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54207

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Thymus

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 613

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Stomach, Forestomach    | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                      |   |                                  |                         |
|----------------------|---|----------------------------------|-------------------------|
| * Kidney             |   | Nephropathy                      | Mild                    |
| * Liver              |   | Hepatocellular Adenoma           | Multiple                |
|                      |   | Hepatocellular Carcinoma         |                         |
|                      | [ Hepatocellular Adenoma TGLs = 4,5-5+6 ]       |                                  |                         |
|                      | [ Hepatocellular Carcinoma TGLs = 6-12 ]        |                                  |                         |
| * Lung               | Alveolus  | Infiltration Cellular            | Histiocyte, Minimal     |
|                      |   | Inflammation                     | Chronic Active, Minimal |
|                      | Mesentery                                       | Necrosis                         | Mild                    |
|                      | [ Necrosis TGLs = 3-6 ]                         |                                  |                         |
| * Nose               | Olfactory Epi                                   | Accumulation, Hyaline Droplet    | Mild                    |
|                      | Respirat Epith                                  | Accumulation, Hyaline Droplet    | Minimal                 |
|                      | Turbinate                                       | Atrophy                          | Moderate                |
|                      |   | Hyperostosis                     | Mild                    |
|                      | Respirat Epith                                  | Hyperplasia                      | Mild                    |
|                      | Olfactory Epi                                   | Metaplasia                       | Respiratory, Minimal    |
| * Spleen             |   | Hematopoietic Cell Proliferation | Moderate                |
|                      | [ Hematopoietic Cell Proliferation TGLs = 2-5 ] |                                  |                         |
| * Stomach, Glandular |   | Necrosis                         | Minimal                 |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 613

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54209

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Gallbladder
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 6-5 ]
- [ Hepatocellular Carcinoma TGLs = 7-13 ]
- [ Lymphoma Malignant TGLs = 4,5-5+6 ]
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- [ Lymphoma Malignant TGLs = 3-14 ]
- Mesentery
- [ Necrosis TGLs = 8-15 ]
- \* Nose
- \* Pancreas
- Lymphoma Malignant
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Lymphoma Malignant
- Lymphoma Malignant
- Lymphoma Malignant
- Necrosis
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Cyst
- Moderate
- Mild
- Mild
- Minimal
- Respiratory, Minimal
- Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54210

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Pituitary Gland

Pars Distalis

Adenoma

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 1-12 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLs = 2-9 ]

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Skin
- \* Thymus

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 2,3,6-5+6+13 ]
  - Mesentery
    - [ Necrosis TGLs = 4-13 ]
  - \* Nose
  - \* Ovary
  - \* Uterus
    - [ Hyperplasia TGLs = 1-9 ]
- |  |                        |                      |
|--|------------------------|----------------------|
|  | Adenoma                |                      |
|  | Nephropathy            | Minimal              |
|  | Hepatocellular Adenoma | Multiple             |
|  | Necrosis               | Mild                 |
|  | Atrophy                | Mild                 |
|  | Hyperostosis           | Mild                 |
|  | Metaplasia             | Respiratory, Minimal |
|  | Cyst                   | Moderate             |
|  | Hyperplasia            | Cystic, Marked       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Gallbladder

OBSERVATIONS

- \* Kidney Nephropathy Minimal
- \* Liver Cyst Moderate
- Eosinophilic Focus TGLs = 6-5
- Hepatocellular Adenoma TGLs = 2,3,4-12+14+16+17
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 7-6 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinate Atrophy Mild
- Olfactory Epi Hyperostosis Mild
- Metaplasia Respiratory, Mild
- \* Ovary Cyst Moderate
- [ Cyst TGLs = 8-8 ]
- \* Skin Fibrous Histiocytoma
- [ Fibrous Histiocytoma TGLs = 1-6 ]
- \* Uterus Endometrium Hyperplasia Cystic, Moderate

Animal Note: TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 12.5 ppm

DISP: Moribund Sacrifice

HISTO: 54213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                          |          |
|--------------------------|----------|
| * Lymph Node, Mandibular | * Thymus |
|--------------------------|----------|

OBSERVATIONS

- |                            |                    |                               |                      |
|----------------------------|--------------------|-------------------------------|----------------------|
| * Adrenal Cortex           |                    | Hepatocholangiocarcinoma      | Metastatic (Liver)   |
| [ Hepatocholangiocarcinoma | TGLs = 9-3 ]       |                               |                      |
| * Kidney                   |                    | Nephropathy                   | Minimal              |
| * Liver                    |                    | Hepatocholangiocarcinoma      |                      |
| [ Hepatocholangiocarcinoma | TGLs = 7-12 ]      |                               |                      |
| * Lung                     |                    | Hepatocholangiocarcinoma      | Metastatic (Liver)   |
| [ Hepatocholangiocarcinoma | TGLs = 3,4,5-4 ]   |                               |                      |
| * Lymph Node, Bronchial    |                    | Hepatocholangiocarcinoma      | Metastatic (Liver)   |
| * Lymph Node, Mediastinal  |                    | Hepatocholangiocarcinoma      | Metastatic (Liver)   |
| * Nose                     | Respirat Epith     | Accumulation, Hyaline Droplet | Minimal              |
|                            | Turbinate          | Atrophy                       | Minimal              |
|                            | Respirat Epith     | Hyperostosis                  | Minimal              |
|                            | Olfactory Epi      | Hyperplasia                   | Minimal              |
| Skeletal Muscle            |                    | Metaplasia                    | Respiratory, Minimal |
| [ Hepatocholangiocarcinoma | TGLs = 2,8-13+14 ] | Hepatocholangiocarcinoma      | Metastatic (Liver)   |
| * Uterus                   | Endometrium        | Hyperplasia                   | Cystic, Marked       |
| [ Hyperplasia              | TGLs = 6-9 ]       |                               |                      |

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Spleen
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Liver
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - [ Hepatocellular Adenoma TGLs = 4,5,6-5+6+12 ]
  - [ Hepatocellular Carcinoma TGLs = 3-5 ]
- \* Lung
  - Alveolar/Bronchiolar Carcinoma
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Hyperplasia
  - Metaplasia
  - Respiratory, Mild
- \* Uterus
  - Endometrium
  - Histiocytic Sarcoma
  - Hyperplasia
  - Cystic, Moderate
  - [ Histiocytic Sarcoma TGLs = 2-9+12 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Ovary
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Kidney
- \* Pancreas
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Salivary Glands
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Skin
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Islets, Pancreatic
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3-5 ]
- \* Lung
- [ Alveolar/Bronchiolar Carcinoma TGLs = 2-13 ]
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Nose
- Respirat Epith
- Turbinate
- Olfactory Epi
- \* Spleen
- \* Thymus
- [ Lymphoma Malignant TGLs = 1-12 ]
- \* Uterus
- Endometrium
- Hyperplasia
- Clear Cell Focus
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Carcinoma
- Lymphoma Malignant
- Lymphoma Malignant
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Metaplasia
- Lymphoma Malignant
- Lymphoma Malignant
- Hyperplasia
- Mild
- Minimal
- Mild
- Mild
- Respiratory, Mild
- Cystic, Mild

\* PROTOCOL REQUIRED TISSUE





TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Small, Duodenum
- \* Larynx
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Gallbladder
- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Kidney
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 2,3,4-5+12+13 ]
- \* Lung
  - [ Alveolar/Bronchiolar Adenoma TGLs = 9-4 ]
- \* Lymph Node, Mesenteric
  - [ Hyperplasia TGLs = 8-7 ]
- Mesentery
  - [ Necrosis TGLs = 5,7-6+14 ]
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Turbinate
  - Respirat Epith
  - Olfactory Epi
- \* Ovary
- Adenoma
- Inflammation
- Necrosis
- Nephropathy
- Hepatocellular Adenoma
- Alveolar/Bronchiolar Adenoma
- Hyperplasia
- Necrosis
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Cyst
- Chronic Active, Mild
- Mild
- Minimal
- Multiple
- Lymphoid, Moderate
- Mild
- Mild
- Minimal
- Mild
- Mild
- Mild
- Respiratory, Minimal
- Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12.5 ppm

DISP: Terminal Sacrifice

HISTO: 54217

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ORGAN AND ACCOUNTABLE SITE STATUS

---

[ Cyst TGLs = 6-8 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLs = 1-9 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 655

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 3,4-5+12 ]
    - Mesentery
      - [ Necrosis TGLs = 5-6 ]
  - \* Nose
    - Olfactory Epi
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Skin
    - Subcut Tiss
    - [ Schwannoma Malignant TGLs = 1-14 ]
  - \* Uterus
    - Endometrium
    - [ Polyp Stromal TGLs = 2-9 ]
- Hyperplasia  
Hepatocellular Adenoma  
Vacuolization Cytoplasmic  
Necrosis  
Accumulation, Hyaline Droplet  
Accumulation, Hyaline Droplet  
Atrophy  
Hyperostosis  
Hyperplasia  
Metaplasia  
Schwannoma Malignant  
Hyperplasia  
Polyp Stromal
- Mild  
Multiple  
Mild  
Moderate  
Minimal  
Minimal  
Moderate  
Mild  
Minimal  
Respiratory, Minimal  
Cystic, Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Spleen
- \* Trachea

MISSING

- \* Clitoral Gland
- \* Lymph Node, Mandibular
- \* Thymus

OBSERVATIONS

- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 5-12 ]
- [ Hepatocellular Adenoma TGLs = 2-6 ]
- [ Lymphoma Malignant TGLs = 1-5 ]
- \* Lung
- \* Lymph Node, Mesenteric
- [ Lymphoma Malignant TGLs = 4-7 ]
- Mesentery
- [ Necrosis TGLs = 3-12 ]
- \* Nose
- \* Uterus
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Lymphoma Malignant
- Alveolar Epith
- Hyperplasia
- Lymphoma Malignant
- Fat
- Necrosis
- Turbinate
- Respirat Epith
- Olfactory Epi
- Endometrium
- Minimal
- Multiple
- Mild
- Mild
- Moderate
- Moderate
- Minimal
- Respiratory, Mild
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Kidney
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Bone
  - [ Cyst TGLs = 5-12 ]
 Cyst Mild
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 4-13 ]
 Hepatocellular Adenoma
- Lymph Node
  - [ Ectasia TGLs = 6-6 ]
 Ectasia Mild
- Mesentery
  - [ Necrosis TGLs = 1-13 ]
 Fat Necrosis Mild
- \* Nose
  - Respirat Epith
  - Olfactory Epi
  - Turbinate
 Accumulation, Hyaline Droplet Mild  
 Accumulation, Hyaline Droplet Mild  
 Atrophy Mild  
 Hyperostosis Mild
- Respirat Epith
  - Olfactory Epi
 Hyperplasia Mild  
 Metaplasia Respiratory, Mild  
 Hematopoietic Cell Proliferation Moderate
- \* Spleen
  - [ Hematopoietic Cell Proliferation TGLs = 2-5 ]
- \* Stomach, Glandular
  - [ Necrosis TGLs = 7-9+15 ]
 Necrosis Minimal
- \* Thymus
  -
 Cyst Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54071

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Thrombosis

Moderate

[ Thrombosis TGLs = 3-9+14 ]

---

PRIMARY CAUSE OF DEATH

- Uterus Thrombosis

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Pancreas
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Adrenal Cortex
- \* Harderian Gland
- \* Liver
- [ Hepatocellular Adenoma TGLs = 4,5-5 ]
- [ Hepatocellular Carcinoma TGLs = 6-6 ]
- \* Lung
- [ Hepatocellular Carcinoma TGLs = 3-4 ]
- Mesentery
- [ Necrosis TGLs = 8-12 ]
- \* Nose
- \* Ovary
- Hyperplasia
- Hyperplasia
- Basophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Necrosis
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Cyst
- Minimal
- Moderate
- Multiple
- Metastatic (Liver)
- Mild
- Mild
- Mild
- Moderate
- Moderate
- Minimal
- Respiratory, Mild
- Moderate

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54072

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ORGAN AND ACCOUNTABLE SITE STATUS

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* Uterus	[ Cyst TGLs = 1-8 ]	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLs = 2-9 ]			

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 706

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Mammary Gland
- \* Skin
- \* Thyroid Gland
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- [ Angiectasis TGLs = 5-6 ]
- [ Hepatocellular Adenoma TGLs = 2,3,4-12+14+16 ]
- \* Nose
- \* Pancreas
- \* Spleen
- \* Uterus
- Hyperplasia
- Nephropathy
- Angiectasis
- Eosinophilic Focus
- Hepatocellular Adenoma
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Atrophy
- Hematopoietic Cell Proliferation
- Hyperplasia
- Minimal
- Minimal
- Mild
- Multiple
- Mild
- Minimal
- Moderate
- Minimal
- Moderate
- Respiratory, Minimal
- Moderate
- Mild
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lung                   |
| * Lymph Node, Bronchial    | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |          |   |                        |                               |
|----------|---|------------------------|-------------------------------|
| * Kidney |   | Nephropathy            | Minimal                       |
| * Liver  |   | Hepatocellular Adenoma | Multiple                      |
|          |   | Lymphoma Malignant     |                               |
|          | [ Hepatocellular Adenoma TGLs = 3,4-5 ] |                        |                               |
|          | Mesentery                               | Fat                    | Necrosis                      |
|          | [ Necrosis TGLs = 2-12 ]                |                        | Mild                          |
| * Nose   |   | Respirat Epith         | Accumulation, Hyaline Droplet |
|          |   | Olfactory Epi          | Accumulation, Hyaline Droplet |
|          |   | Turbinate              | Atrophy                       |
|          |   |                        | Hyperostosis                  |
|          |   | Respirat Epith         | Hyperplasia                   |
|          |   | Olfactory Epi          | Metaplasia                    |
| * Spleen |   |                        | Lymphoma Malignant            |
|          | [ Lymphoma Malignant TGLs = 1-5 ]       |                        |                               |
| * Uterus |   | Endometrium            | Hyperplasia                   |
|          |   |                        | Cystic, Moderate              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx                  | * Lung                      | * Lymph Node, Bronchial  |
| * Lymph Node, Mediastinal  | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Salivary Glands         | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                          |  |                               |                       |
|--------------------------|--|-------------------------------|-----------------------|
| * Islets, Pancreatic     |  | Hyperplasia                   | Mild                  |
| * Kidney                 |  | Nephropathy                   | Minimal               |
| * Liver                  |  | Hepatocellular Adenoma        | Multiple              |
|                          | [ Hepatocellular Adenoma TGLs = 4,5,6-5+6+12 ] |                               |                       |
| * Lymph Node, Mandibular |  | Angiectasis                   | Moderate              |
|                          | [ Angiectasis TGLs = 2-8 ]                     |                               |                       |
| * Nose                   | Respirat Epith                                 | Accumulation, Hyaline Droplet | Moderate              |
|                          | Olfactory Epi                                  | Accumulation, Hyaline Droplet | Mild                  |
|                          | Turbinate                                      | Atrophy                       | Moderate              |
|                          |  | Hyperostosis                  | Moderate              |
|                          | Respirat Epith                                 | Hyperplasia                   | Moderate              |
|                          | Olfactory Epi                                  | Metaplasia                    | Respiratory, Moderate |
| * Pituitary Gland        | Pars Distalis                                  | Cyst                          | Marked                |
|                          | [ Cyst TGLs = 3-9 ]                            |                               |                       |
| * Skin                   |  | Fibrous Histiocytoma          |                       |
|                          | [ Fibrous Histiocytoma TGLs = 1-14 ]           |                               |                       |
| * Spleen                 |  | Lymphoma Malignant            |                       |
|                          | [ Lymphoma Malignant TGLs = 7-5 ]              |                               |                       |
| * Uterus                 | Endometrium                                    | Hyperplasia                   | Cystic, Moderate      |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus

MISSING

- \* Clitoral Gland
- \* Gallbladder
- \* Lymph Node, Bronchial

OBSERVATIONS

- \* Adrenal Cortex
- \* Liver
- [ Hepatocellular Adenoma TGLs = 3,4-6+16 ]
- \* Lung
- \* Mammary Gland
- [ Carcinoma TGLs = 1-12 ]
- Mesentery
- [ Sarcoma TGLs = 6-18 ]
- \* Nose
- Respirat Epith
- Olfactory Epi
- Turbinate
- Respirat Epith
- Olfactory Epi
- \* Pituitary Gland
- Pars Distalis
- [ Hyperplasia TGLs = 5-9 ]
- \* Spleen
- [ Hemangiosarcoma TGLs = 2-5+14 ]
- Hypertrophy
- Hemangiosarcoma
- Hepatocellular Adenoma
- Inflammation
- Carcinoma
- Sarcoma
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Hyperplasia
- Hemangiosarcoma
- Mild
- Multiple
- Chronic Active, Minimal
- Mild
- Mild
- Moderate
- Moderate
- Mild
- Respiratory, Moderate
- Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54078

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ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Urinary Bladder

Hemangiosarcoma

[ Hemangiosarcoma TGLs = 7-9 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Larynx                 |
| * Liver                    | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Ovary                  |
| * Pancreas                 | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                           |                |                               |                       |
|---------------------------|----------------|-------------------------------|-----------------------|
| * Lung                    | Alveolar Epith | Hyperplasia                   | Minimal               |
| * Lymph Node, Bronchial   |                | Lymphoma Malignant            |                       |
| * Lymph Node, Mediastinal |                | Lymphoma Malignant            |                       |
| * Mammary Gland           |                | Hyperplasia                   | Minimal               |
| * Nose                    | Respirat Epith | Accumulation, Hyaline Droplet | Minimal               |
|                           | Olfactory Epi  | Accumulation, Hyaline Droplet | Mild                  |
|                           | Turbinate      | Atrophy                       | Moderate              |
|                           |                | Hyperostosis                  | Moderate              |
|                           | Respirat Epith | Hyperplasia                   | Mild                  |
|                           |                | Inflammation                  | Suppurative, Minimal  |
|                           | Respirat Epith | Metaplasia                    | Squamous, Minimal     |
|                           | Olfactory Epi  | Metaplasia                    | Respiratory, Moderate |
|                           | Respirat Epith | Necrosis                      | Minimal               |
| * Spleen                  |                | Lymphoma Malignant            |                       |
| * Thymus                  |                | Lymphoma Malignant            |                       |
| * Uterus                  | Endometrium    | Hyperplasia                   | Cystic, Moderate      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 599

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Salivary Glands          |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |                   |   |                                  |                         |
|-------------------|---|----------------------------------|-------------------------|
| * Brain           | Artery, Meninges                                  | Inflammation                     | Chronic Active, Minimal |
| * Kidney          |   | Nephropathy                      | Minimal                 |
| * Liver           |   | Hemangiosarcoma                  |                         |
|                   |   | Necrosis                         | Minimal                 |
|                   | [ Hemangiosarcoma TGLs = 6-5 ]                    |                                  |                         |
|                   | [ Necrosis TGLs = 5-5 ]                           |                                  |                         |
| Mesentery         | Fat   | Necrosis                         | Mild                    |
|                   | [ Necrosis TGLs = 2-6 ]                           |                                  |                         |
| * Nose            | Respirat Epith                                    | Accumulation, Hyaline Droplet    | Minimal                 |
|                   | Turbinate   | Atrophy                          | Mild                    |
|                   |   | Hyperostosis                     | Mild                    |
|                   | Respirat Epith                                    | Hyperplasia                      | Mild                    |
|                   | Olfactory Epi                                     | Metaplasia                       | Respiratory, Mild       |
| * Pituitary Gland | Pars Distalis                                     | Adenoma                          |                         |
| * Skin            |   | Inflammation                     | Chronic Active, Mild    |
|                   | [ Inflammation TGLs = 1-8 ]                       |                                  |                         |
| * Spleen          |   | Hematopoietic Cell Proliferation | Mild                    |
|                   | [ Hematopoietic Cell Proliferation TGLs = 3,4-5 ] |                                  |                         |
| * Uterus          | Endometrium                                       | Hyperplasia                      | Cystic, Minimal         |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 713

TRT#: 8

SEX: Female

DAY ON TEST: 673

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54081

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Esophagus
- \* Eye
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Clitoral Gland
- \* Gallbladder
- \* Lymph Node, Bronchial
- \* Thymus

OBSERVATIONS

- \* Harderian Gland Hyperplasia Marked
- \* Intestine Small, Ileum Carcinoma
- [ Carcinoma TGLs = 8-7 ]
- \* Kidney Adenoma
- Renal Tubule Nephropathy Minimal
- [ Adenoma TGLs = 10-6 ]
- \* Liver Hepatocellular Adenoma
- [ Hepatocellular Adenoma TGLs = 9-5 ]
- [ Hepatocellular Carcinoma TGLs = 2-14 ]
- Hepatocellular Carcinoma
- Lymph Node Lymphoma Malignant
- Lumbar, Renal Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 4,6-6+17 ]
- [ Lymphoma Malignant TGLs = 1-12 ]
- \* Lymph Node, Mediastinal Lymphoma Malignant
- \* Lymph Node, Mesenteric Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 7-7 ]
- Mesentery Necrosis Mild
- Fat
- [ Necrosis TGLs = 5-16 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54082

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Moderate
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Turbinat	Atrophy	Moderate
		Hyperostosis	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Respirat Epith	Necrosis	Minimal
* Spleen	[ Lymphoma Malignant TGLs = 3-5 ]	Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Larynx                 | * Lung                     | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    |
| * Mammary Gland          | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Stomach, Glandular        |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- |                  |               |                          |
|------------------|---------------|--------------------------|
| * Clitoral Gland | * Gallbladder | * Lymph Node, Mandibular |
|------------------|---------------|--------------------------|

OBSERVATIONS

- |                         |   |                               |                       |
|-------------------------|---|-------------------------------|-----------------------|
| * Heart                 |   | Cardiomyopathy                | Minimal               |
| * Liver                 |   | Hepatocellular Adenoma        | Multiple              |
|                         | [ Hepatocellular Adenoma TGLs = 1,2-12+14 ] |                               |                       |
| * Lymph Node, Bronchial |   | Lymphoma Malignant            |                       |
| Mesentery               | Fat   | Necrosis                      | Mild                  |
|                         | [ Necrosis TGLs = 4-14 ]                    |                               |                       |
| * Nose                  | Respirat Epith                              | Accumulation, Hyaline Droplet | Mild                  |
|                         | Olfactory Epi                               | Accumulation, Hyaline Droplet | Mild                  |
|                         | Turbinate                                   | Atrophy                       | Moderate              |
|                         |   | Hyperostosis                  | Mild                  |
|                         | Respirat Epith                              | Hyperplasia                   | Minimal               |
|                         |   | Inflammation                  | Suppurative, Minimal  |
|                         | Respirat Epith                              | Metaplasia                    | Squamous, Minimal     |
|                         | Olfactory Epi                               | Metaplasia                    | Respiratory, Moderate |
|                         | Respirat Epith                              | Necrosis                      | Minimal               |
| * Spleen                |   | Lymphoma Malignant            |                       |
|                         | [ Lymphoma Malignant TGLs = 3-5 ]           |                               |                       |
| * Stomach, Forestomach  |   | Necrosis                      | Minimal               |
| * Uterus                | Endometrium                                 | Hyperplasia                   | Cystic, Moderate      |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Spleen
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Thymus

OBSERVATIONS

- \* Kidney
  - Metaplasia
  - Nephropathy
  - Osseous, Minimal
  - Minimal
- \* Liver
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Multiple
- [ Hepatocellular Adenoma TGLs = 2,3-12+18 ]
  - [ Hepatocellular Carcinoma TGLs = 4-14 ]
- Mesentery
  - Fat
  - Necrosis
  - Mild
  - [ Necrosis TGLs = 5-18 ]
- \* Nose
  - Respirat Epi
  - Olfactory Epi
  - Turbinate
  - Accumulation, Hyaline Droplet
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Mild
  - Respirat Epi
  - Olfactory Epi
  - Mild
  - Respiratory, Moderate
- \* Skin
  - Fibrous Histiocytoma
  - TGLs = 6-16 ]
  - Fibrous Histiocytoma
- \* Stomach, Forestomach
  - Hyperplasia
  - Squamous, Mild
- \* Uterus
  - Endometrium
  - Hyperplasia
  - Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54085

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-9 ]

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54086

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

* Spleen	[ Hemangiosarcoma TGLs = 6-12 ]	Hematopoietic Cell Proliferation	Moderate
* Uterus	[ Hematopoietic Cell Proliferation TGLs = 1-5 ] Endometrium	Hyperplasia	Cystic, Moderate

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54087

ORGAN AND ACCOUNTABLE SITE STATUS

		Respirat Epith	Hyperostosis	Moderate
		Olfactory Epi	Hyperplasia	Minimal
* Spleen			Metaplasia	Respiratory, Moderate
	[ Lymphoma Malignant	TGLs = 3,4-5+12 ]	Lymphoma Malignant	
* Thymus			Lymphoma Malignant	
* Uterus		Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia	TGLs = 2-9 ]		

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Lymphoma Malignant

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Pituitary Gland
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Ovary
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Liver
    - [ Hepatocellular Adenoma TGLs = 4-5 ]
  - \* Lung
    - Perivascular
  - Lymph Node
    - [ Sarcoma TGLs = 5-9 ]
  - Mesentery
    - [ Necrosis TGLs = 6-6 ]
  - \* Nose
    - Respirat Epith
    - Olfactory Epi
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
    - Subcut Tiss
  - \* Skin
    - [ Sarcoma TGLs = 7-12 ]
  - \* Spleen
    - [ Hematopoietic Cell Proliferation TGLs = 3-5 ]
  - \* Uterus
    - Endometrium
- Hepatocellular Adenoma
- Inflammation
- Sarcoma
- Necrosis
- Accumulation, Hyaline Droplet
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Sarcoma
- Hematopoietic Cell Proliferation
- Hyperplasia
- Chronic Active, Minimal
- Metastatic (Skin)
- Mild
- Moderate
- Mild
- Moderate
- Mild
- Moderate
- Respiratory, Moderate
- Mild
- Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54088

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Polyp Stromal

[ Hyperplasia TGLs = 1-9 ]

[ Polyp Stromal TGLs = 2-9 ]

---

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mediastinal
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Skin
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Hyperplasia Minimal
- \* Liver Clear Cell Focus
- [ Clear Cell Focus TGLs = 5-13 ]
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 4-13 ]
- \* Nose Respirat Epith Accumulation, Hyaline Droplet Moderate
- Olfactory Epi Accumulation, Hyaline Droplet Mild
- Turbinat Atrophy Moderate
- Hyperostosis Moderate
- Respirat Epith Hyperplasia Moderate
- Olfactory Epi Metaplasia Respiratory, Moderate
- \* Ovary Thrombosis Moderate
- [ Thrombosis TGLs = 3-12 ]
- \* Pituitary Gland Pars Distalis Adenoma
- \* Uterus Endometrium Hyperplasia Cystic, Moderate
- [ Hyperplasia TGLs = 1,2-9 ]

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Heart
  - Cardiomyopathy Minimal
  - Thrombosis Moderate
  - [ Thrombosis TGLs = 1-5 ]
- \* Kidney
  - Nephropathy Minimal
  - Hepatocellular Adenoma Multiple
  - Hepatocellular Carcinoma
  - [ Hepatocellular Adenoma TGLs = 4,9-5+6 ]
  - [ Hepatocellular Carcinoma TGLs = 5-14 ]
- \* Liver
- \* Lung
  - Alveolus Infiltration Cellular Histiocyte, Moderate
  - Inflammation Chronic Active, Mild
  - Necrosis Mild
- Mesentery
  - Fat
- [ Necrosis TGLs = 8-14 ]
- \* Nose
  - Olfactory Epi Accumulation, Hyaline Droplet Mild
  - Respirat Epith Accumulation, Hyaline Droplet Mild
  - Turbinate Atrophy Mild
  - Foreign Body
  - Hyperostosis Moderate
  - Respirat Epith Hyperplasia Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54091

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Respirat Epith	Inflammation	Suppurative, Minimal
[ Adenoma TGLs = 6-9 ]	Olfactory Epi	Metaplasia	Squamous, Mild
	Pars Distalis	Metaplasia	Respiratory, Mild
		Adenoma	
* Uterus	Endometrium	Hemangiosarcoma	
[ Hemangiosarcoma TGLs = 2-12 ]		Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLs = 3-9 ]			

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 415

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex          | * Bone                      | * Bone Marrow             | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                     | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                   | * Lung                     |
| * Lymph Node, Bronchial   | * Lymph Node, Mandibular    | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas                | * Pituitary Gland          |
| * Salivary Glands         | Skeletal Muscle             | * Skin                    | Spinal Cord                |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular      | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder         |                            |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |                            |  |  |
|-------------------|----------------------------|--|--|
| * Adrenal Medulla |                            | Hyperplasia                              | Mild                                     |
| * Kidney          |                            | Nephropathy                              | Minimal                                  |
| * Nose            | Respirat Epith<br>Turbinat | Accumulation, Hyaline Droplet<br>Atrophy | Minimal<br>Moderate                      |
|                   | Respirat Epith             | Hyperostosis                             | Minimal                                  |
|                   | Olfactory Epi              | Hyperplasia                              | Minimal                                  |
| * Uterus          | Endometrium                | Metaplasia<br>Hyperplasia                | Respiratory, Minimal<br>Cystic, Moderate |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Pancreas
- \* Skin
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Urinary Bladder

MISSING

- \* Thymus

OBSERVATIONS

- \* Liver
    - [ Hemangiosarcoma TGLs = 3-6 ]
    - [ Hepatocellular Adenoma TGLs = 2-5 ]
  - Lymph Node
    - Renal
    - Lumbar
    - [ Lymphoma Malignant TGLs = 7-14 ]
    - [ Lymphoma Malignant TGLs = 8-15 ]
  - \* Lymph Node, Bronchial
  - \* Lymph Node, Mandibular
  - \* Lymph Node, Mediastinal
    - [ Lymphoma Malignant TGLs = 1-3 ]
  - \* Lymph Node, Mesenteric
    - [ Lymphoma Malignant TGLs = 9-13 ]
  - \* Nose
    - Turbinate
    - Olfactory Epi
  - \* Ovary
    - [ Cyst TGLs = 5,6-8+12 ]
- Hemangiosarcoma  
Hepatocellular Adenoma
- Lymphoma Malignant  
Lymphoma Malignant
- Lymphoma Malignant  
Lymphoma Malignant  
Lymphoma Malignant
- Atrophy  
Hyperostosis  
Metaplasia  
Cyst
- Moderate  
Moderate  
Respiratory, Mild  
Moderate

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54093

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 4-5 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

- Lymph Node, Mesenteric Lymphoma Malignant

---







TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 728

TRT#: 8

SEX: Female

DAY ON TEST: 519

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder
- \* Uterus

MISSING

- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Heart
  - Thrombosis Moderate
- \* Kidney
  - Nephropathy Minimal
- \* Liver
  - Hepatocellular Carcinoma
  - Necrosis Mild
- [ Hepatocellular Carcinoma TGLs = 3-13 ]
- \* Lung
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-4 ]
  - Alveolar/Bronchiolar Carcinoma
- \* Lymph Node, Mesenteric
  - Hemorrhage Mild
- Mesentery
  - Fat
  - Necrosis Mild
- [ Necrosis TGLs = 4-12 ]
- \* Nose
  - Respirat Epith
  - Turbinate
  - Accumulation, Hyaline Droplet Minimal
  - Atrophy Moderate
  - Hyperostosis Mild
  - Olfactory Epi
  - Metaplasia Respiratory, Minimal
- \* Spleen
  - Hematopoietic Cell Proliferation Moderate
- [ Hematopoietic Cell Proliferation TGLs = 5-5 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 508

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Heart
  - Cardiomyopathy
  - Fibrosarcoma
  - Hemangiosarcoma
  - Hepatocholangiocarcinoma
- \* Liver
  - Minimal
  - Metastatic (Skeletal Muscle)
- \* Lung
  - [ Hemangiosarcoma TGLs = 9-17 ]
  - [ Hepatocholangiocarcinoma TGLs = 7,8-16+20 ]
  - Alveolar/Bronchiolar Adenoma
  - Hepatocholangiocarcinoma
  - Metastatic (Liver)
- \* Lymph Node, Bronchial
  - [ Alveolar/Bronchiolar Adenoma TGLs = 5-15 ]
  - [ Hepatocholangiocarcinoma TGLs = 2,3,4-12+13+14 ]
- Mesentery
  - Hepatocholangiocarcinoma
  - Necrosis
  - Metastatic (Liver)
  - Mild
- \* Nose
  - [ Necrosis TGLs = 6-19 ]
  - Fat
  - Olfactory Epi
  - Respirat Epith
  - Turbinate
  - Olfactory Epi
  - Accumulation, Hyaline Droplet
  - Accumulation, Hyaline Droplet
  - Atrophy
  - Hyperostosis
  - Metaplasia
  - Mild
  - Mild
  - Mild
  - Minimal
  - Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 508

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54097

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle

Fibrosarcoma

Metastatic (Skeletal Muscle)

[ Fibrosarcoma TGLs = 1-18 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

- Liver Hepatocholangiocarcinoma



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 730

TRT#: 8

SEX: Female

DAY ON TEST: 440

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54098

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Pituitary Gland

Lymphoma Malignant

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 1-5 ]

\* Thymus

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 8-3 ]

\* Urinary Bladder

Lymphoma Malignant

---

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 731

TRT#: 8

SEX: Female

DAY ON TEST: 562

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54099

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[ Hyperplasia TGLs = 10-9 ]		
Skeletal Muscle		Hepatocholangiocarcinoma	Metastatic (Liver)
	[ Hepatocholangiocarcinoma TGLs = 15-12 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLs = 13-5 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLs = 14-9 ]		

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 413

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Islets, Pancreatic
- \* Larynx
- \* Liver
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mediastinal
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Stomach, Glandular

OBSERVATIONS

- \* Bone
  - [ Osteosarcoma TGLs = 2-12 ]
- \* Kidney
  - Hydronephrosis Mild
  - Nephropathy Mild
  - Mesentery
    - [ Sarcoma TGLs = 5-14 ]
  - Sarcoma Metastatic (Uterus)
- \* Nose
  - Turbinate Atrophy Moderate
  - Hyperostosis Minimal
  - Olfactory Epi Metaplasia Respiratory, Mild
- \* Spleen
  - [ Hematopoietic Cell Proliferation TGLs = 3-5 ]
  - Hematopoietic Cell Proliferation Mild
- \* Urinary Bladder
  - Sarcoma Metastatic (Uterus)
- \* Uterus
  - Endometrium Hyperplasia Cystic, Moderate
  - Sarcoma
  - [ Hyperplasia TGLs = 6-9 ]
  - [ Sarcoma TGLs = 4-13 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 413

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54100

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma

---



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54101

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Sarcoma	Metastatic (Skeletal Muscle)
Skeletal Muscle		Angiectasis	Moderate
[ Sarcoma TGLs = 1-6 ]		Sarcoma	
* Stomach, Forestomach		Sarcoma	Metastatic (Skeletal Muscle)
* Stomach, Glandular		Sarcoma	Metastatic (Skeletal Muscle)
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH - Skeletal Muscle Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Thymus

OBSERVATIONS

- \* Adren Cortex
    - Note: Cortical cyst present -- no entry available in TDMS
  - \* Bone
    - [ Degeneration TGLs = 6-13 ]
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 4-14 ]
    - [ Hepatocellular Carcinoma TGLs = 3-5 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 1-12 ]
  - Mesentery
    - [ Necrosis TGLs = 5-6 ]
  - \* Nose
    - Olfactory Epi
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Respirat Epith
- |  |                                |                   |
|--|--------------------------------|-------------------|
|  | Degeneration                   | Moderate          |
|  | Nephropathy                    | Minimal           |
|  | Hemangiosarcoma                |                   |
|  | Hepatocellular Adenoma         |                   |
|  | Hepatocellular Carcinoma       |                   |
|  | Alveolar/Bronchiolar Carcinoma |                   |
|  | Necrosis                       | Mild              |
|  | Accumulation, Hyaline Droplet  | Mild              |
|  | Accumulation, Hyaline Droplet  | Moderate          |
|  | Atrophy                        | Moderate          |
|  | Hyperostosis                   | Mild              |
|  | Hyperplasia                    | Moderate          |
|  | Metaplasia                     | Squamous, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

---

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54102

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ORGAN AND ACCOUNTABLE SITE STATUS

---

* Stomach, Forestomach	Olfactory Epi	Metaplasia Hyperplasia Inflammation	Respiratory, Mild Squamous, Mild Chronic Active, Minimal
* Uterus [ Hyperplasia TGLs = 2-9 ]	Endometrium	Hyperplasia	Cystic, Marked

---

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Skin
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 4,5-14+15 ]
  - \* Lung
  - Mesentery
    - [ Necrosis TGLs = 1-14 ]
  - \* Nose
  - \* Uterus
    - [ Adenoma TGLs = 2-12 ]
- |  |                              |                   |
|--|------------------------------|-------------------|
|  | Hyperplasia                  | Mild              |
|  | Nephropathy                  | Minimal           |
|  | Hepatocellular Adenoma       | Multiple          |
|  | Alveolar/Bronchiolar Adenoma |                   |
|  | Necrosis                     | Mild              |
|  | Turbinate                    |                   |
|  | Atrophy                      | Moderate          |
|  | Hyperostosis                 | Moderate          |
|  | Respirat Epith               |                   |
|  | Olfactory Epi                |                   |
|  | Hyperplasia                  | Mild              |
|  | Metaplasia                   | Respiratory, Mild |
|  | Adenoma                      |                   |
|  | Endometrium                  |                   |
|  | Hyperplasia                  | Cystic, Moderate  |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE









TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Lung                   | * Lymph Node, Bronchial    |
| * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

- |                   |  |                               |                      |
|-------------------|--|-------------------------------|----------------------|
| * Harderian Gland |  | Adenoma                       |                      |
| * Kidney          | Artery                                 | Inflammation                  | Chronic Active, Mild |
|                   |  | Nephropathy                   | Minimal              |
| * Liver           |  | Hepatocellular Adenoma        |                      |
|                   | [ Hepatocellular Adenoma TGLs = 2-12 ] |                               |                      |
| * Mammary Gland   |  | Hyperplasia                   | Mild                 |
| Mesentery         | Fat                                    | Necrosis                      | Mild                 |
|                   | [ Necrosis TGLs = 1-6 ]                |                               |                      |
| * Nose            | Respirat Epith                         | Accumulation, Hyaline Droplet | Minimal              |
|                   | Olfactory Epi                          | Accumulation, Hyaline Droplet | Minimal              |
|                   | Turbinate                              | Atrophy                       | Moderate             |
|                   |  | Hyperostosis                  | Moderate             |
|                   | Respirat Epith                         | Hyperplasia                   | Minimal              |
|                   | Olfactory Epi                          | Metaplasia                    | Respiratory, Mild    |
| * Pituitary Gland | Pars Distalis                          | Hyperplasia                   | Mild                 |
| * Uterus          | Endometrium                            | Hyperplasia                   | Cystic, Mild         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 512

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Kidney
- \* Mammary Gland
- \* Skin
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Larynx
- \* Ovary
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Lung
- \* Pancreas
- \* Thyroid Gland
- \* Bone Marrow
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Salivary Glands
- \* Trachea

MISSING

- \* Lymph Node, Bronchial
- \* Thymus
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Urinary Bladder
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Spleen

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- \* Eye [ Necrosis TGLs = 1-11 ] Cornea Necrosis Mild
- \* Harderian Gland [ Carcinoma TGLs = 6-11 ] Carcinoma
- \* Heart Cardiomyopathy Minimal
- \* Liver [ Hepatocellular Carcinoma TGLs = 4,5-5+12 ] Hepatocellular Carcinoma Multiple
- \* Nose
  - Olfactory Epi Accumulation, Hyaline Droplet Minimal
  - Respirat Epith Accumulation, Hyaline Droplet Mild
  - Turbinate Atrophy Mild
  - Hyperostosis Minimal
  - Respirat Epith Hyperplasia Minimal
  - Olfactory Epi Inflammation Chronic Active, Minimal
  - Metaplasia Respiratory, Minimal

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 512

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54108

ORGAN AND ACCOUNTABLE SITE STATUS

\* Stomach, Forestomach

Necrosis

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLs = 3-9 ]

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 614

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Bronchial
- \* Lymph Node, Mesenteric

OBSERVATIONS

- \* Kidney
    - [ Hydronephrosis TGLs = 3-6 ]
    - [ Nephropathy TGLs = 2-6 ]
  - \* Liver
    - [ Hepatocellular Carcinoma TGLs = 4,5-5+12 ]
  - \* Lung
    - Mesentery
    - [ Necrosis TGLs = 1-6 ]
  - \* Nose
    - Respirat Epith
    - Turbinate
    - Respirat Epith
    - Olfactory Epi
  - \* Uterus
    - Endometrium
- |  |                               |                         |
|--|-------------------------------|-------------------------|
|  | Hydronephrosis                | Moderate                |
|  | Nephropathy                   | Moderate                |
|  | Hepatocellular Carcinoma      | Multiple                |
|  | Inflammation                  | Chronic Active, Minimal |
|  | Necrosis                      | Mild                    |
|  | Accumulation, Hyaline Droplet | Mild                    |
|  | Atrophy                       | Moderate                |
|  | Hyperostosis                  | Mild                    |
|  | Hyperplasia                   | Mild                    |
|  | Metaplasia                    | Respiratory, Minimal    |
|  | Hyperplasia                   | Cystic, Moderate        |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 640

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                           |                             |                            |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | * Bone                      | * Bone Marrow              |
| * Brain                  | * Clitoral Gland          | * Esophagus                 | * Eye                      |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum   |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic     | * Larynx                  | * Liver                     | * Lung                     |
| * Lymph Node, Bronchial  | * Lymph Node, Mandibular  | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric   |
| * Mammary Gland          | * Ovary                   | * Pancreas                  | * Parathyroid Gland        |
| * Pituitary Gland        | * Salivary Glands         | * Skin                      | * Spleen                   |
| * Stomach, Forestomach   | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland            |
| * Trachea                | * Urinary Bladder         |                             |                            |

OBSERVATIONS

- |  |                |                               |                      |
|--|----------------|-------------------------------|----------------------|
| * Intestine Small, Ileum<br>[ Carcinoma TGLs = 1-7 ] |                | Carcinoma                     |                      |
| * Kidney   |                | Metaplasia                    | Osseous, Minimal     |
| * Nose   | Olfactory Epi  | Accumulation, Hyaline Droplet | Mild                 |
|  | Respirat Epith | Accumulation, Hyaline Droplet | Mild                 |
|  | Turbinate      | Atrophy                       | Moderate             |
|  |                | Hyperostosis                  | Minimal              |
|  | Respirat Epith | Hyperplasia                   | Minimal              |
|  | Olfactory Epi  | Metaplasia                    | Respiratory, Minimal |
| * Uterus   | Endometrium    | Hyperplasia                   | Cystic, Mild         |

PRIMARY CAUSE OF DEATH - Intestine Small, Ileum Carcinoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 502

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                   |                         |
|-----------------------------|--------------------------|-------------------|-------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Bone            | * Bone Marrow           |
| * Brain                     | * Clitoral Gland         | * Esophagus       | * Eye                   |
| * Intestine Small, Duodenum | * Islets, Pancreatic     | * Kidney          | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Mammary Gland   | * Pancreas              |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands | * Skin                  |
| * Spleen                    | * Stomach, Glandular     | * Thyroid Gland   | * Trachea               |

MISSING

- |                   |                          |          |
|-------------------|--------------------------|----------|
| * Harderian Gland | * Lymph Node, Mandibular | * Thymus |
|-------------------|--------------------------|----------|

AUTO PRECLUDES DIAG.

- |                          |                            |                          |                           |
|--------------------------|----------------------------|--------------------------|---------------------------|
| * Gallbladder            | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Urinary Bladder        |                           |

OBSERVATIONS

- |                        |   |                                |                      |
|------------------------|---|--------------------------------|----------------------|
| * Heart                |   | Cardiomyopathy                 | Mild                 |
| * Larynx               |   | Metaplasia                     | Squamous, Mild       |
| * Liver                |   | Hepatocellular Adenoma         | Multiple             |
|                        | [ Hepatocellular Adenoma TGLs = 5,6-5 ]       |                                |                      |
| * Lung                 |   | Alveolar/Bronchiolar Carcinoma |                      |
|                        | [ Alveolar/Bronchiolar Carcinoma TGLs = 2-4 ] |                                |                      |
| * Nose                 |   | Accumulation, Hyaline Droplet  | Minimal              |
|                        | Olfactory Epi                                 | Accumulation, Hyaline Droplet  | Moderate             |
|                        | Respirat Epith                                | Atrophy                        | Moderate             |
|                        | Turbinate                                     | Foreign Body                   |                      |
|                        | Respirat Epith                                | Hyperplasia                    | Mild                 |
|                        |   | Inflammation                   | Suppurative, Mild    |
|                        | Olfactory Epi                                 | Metaplasia                     | Respiratory, Minimal |
|                        | Olfactory Epi                                 | Necrosis                       | Minimal              |
| * Ovary                |   | Cystadenoma                    |                      |
|                        | [ Cystadenoma TGLs = 4-8 ]                    |                                |                      |
| * Stomach, Forestomach |   | Necrosis                       | Mild                 |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 502

DOSE: 25 ppm

DISP: Natural Death

HISTO: 54112

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Mild

[ Necrosis TGLs = 7-12 ]

Hyperplasia

Cystic, Moderate

\* Uterus

Endometrium

[ Hyperplasia TGLs = 3-9 ]

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 745

TRT#: 8

SEX: Female

DAY ON TEST: 592

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Larynx                    | * Lymph Node, Bronchial  |
| * Lymph Node, Mandibular   | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Salivary Glands        |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

OBSERVATIONS

- |                   |                                 |                  |                   |
|-------------------|---------------------------------|------------------|-------------------|
| * Kidney          |                                 | Nephropathy      | Mild              |
| * Liver           |                                 | Mixed Cell Focus |                   |
|                   | [ Mixed Cell Focus TGLs = 3-5 ] |                  |                   |
| * Lung            |                                 | Sarcoma          | Metastatic (Skin) |
|                   | [ Sarcoma TGLs = 1,5-4 ]        |                  |                   |
| * Nose            | Turbinate                       | Atrophy          | Moderate          |
|                   |                                 | Hyperostosis     | Mild              |
|                   | Respirat Epith                  | Hyperplasia      | Mild              |
|                   | Olfactory Epi                   | Metaplasia       | Respiratory, Mild |
|                   | Respirat Epith                  | Metaplasia       | Squamous, Minimal |
| * Pituitary Gland | Pars Distalis                   | Hyperplasia      | Minimal           |
| * Skin            | Subcut Tiss                     | Sarcoma          |                   |
|                   | [ Sarcoma TGLs = 2-13+14 ]      |                  |                   |
| * Uterus          | Endometrium                     | Hyperplasia      | Cystic, Moderate  |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

\* PROTOCOL REQUIRED TISSUE



TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Larynx
- \* Lung
- \* Lymph Node, Bronchial
- \* Lymph Node, Mandibular
- \* Lymph Node, Mediastinal
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

OBSERVATIONS

- \* Kidney Nephropathy Mild
- \* Liver Hepatocellular Adenoma Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 3-15 ]
- [ Hepatocellular Carcinoma TGLs = 2-12+13 ]
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 5-6 ]
- \* Nose Olfactory Epi Accumulation, Hyaline Droplet Mild
- Respirat Epith Accumulation, Hyaline Droplet Minimal
- Turbinat Atrophy Mild
- Hyperostosis Minimal
- Respirat Epith Hyperplasia Minimal
- Olfactory Epi Metaplasia Respiratory, Minimal
- \* Skin Fibrous Histiocytoma
- [ Fibrous Histiocytoma TGLs = 1-17 ]
- \* Spleen Hematopoietic Cell Proliferation Mild
- [ Hematopoietic Cell Proliferation TGLs = 4-5 ]
- \* Uterus Endometrium Hyperplasia Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 748

TRT#: 8

SEX: Female

DAY ON TEST: 556

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Skin
- \* Thymus
- \* Uterus

MISSING

- \* Lymph Node, Bronchial

OBSERVATIONS

- \* Islets, Pancreatic
- \* Kidney
- \* Mammary Gland
- Mesentery
- [ Necrosis TGLs = 1,2-6+12 ]
- \* Nose
- Respirat Epith
- Turbinate
- Respirat Epith
- Olfactory Epi
- Pars Distalis
- \* Pituitary Gland
- [ Adenoma TGLs = 3-9 ]
- \* Skin
- [ Hemangiosarcoma TGLs = 4-13 ]
- Fat
- Subcut Tiss
- Hyperplasia
- Nephropathy
- Hyperplasia
- Necrosis
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Inflammation
- Metaplasia
- Adenoma
- Hemangiosarcoma
- Mild
- Mild
- Minimal
- Moderate
- Minimal
- Mild
- Minimal
- Mild
- Suppurative, Minimal
- Respiratory, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 749

TRT#: 8

SEX: Female

DAY ON TEST: 715

DOSE: 25 ppm

DISP: Moribund Sacrifice

HISTO: 54117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Liver
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Brain
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Salivary Glands
- \* Stomach, Glandular
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Skin
- \* Thyroid Gland
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Spleen
- \* Urinary Bladder

MISSING

- \* Intestine Large, Cecum
- \* Pituitary Gland

INSUFFICIENT TISSUE

- \* Adrenal Cortex
- \* Larynx
- \* Ovary
- \* Adrenal Medulla
- \* Lung
- \* Thymus
- \* Eye
- \* Lymph Node, Bronchial
- \* Trachea
- \* Harderian Gland
- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Bone Marrow      Myeloid Cell      Hyperplasia      Marked
- \* Kidney      Nephropathy      Moderate
- Mesentery      Fat      Necrosis      Marked
- [ Necrosis    TGLs = 1-13 ]
- \* Nose      Respirat Epith      Accumulation, Hyaline Droplet      Mild
- Olfactory Epi      Accumulation, Hyaline Droplet      Mild
- Turbinates      Atrophy      Moderate
- Hyperostosis      Mild
- Respirat Epith      Hyperplasia      Minimal
- Olfactory Epi      Metaplasia      Respiratory, Mild
- Respirat Epith      Metaplasia      Squamous, Minimal
- Respirat Epith      Necrosis      Minimal
- \* Pancreas      Necrosis      Moderate
- \* Uterus      Endometrium      Hyperplasia      Cystic, Moderate

PRIMARY CAUSE OF DEATH      - Mesentery Fat Necrosis

CONTRIBUTORY CAUSE OF DEATH      - Pancreas Necrosis

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 20303 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Vinylidene chloride

**CAS Number:** 75-35-4

**Date Report Requested:** 04/14/2011

**Time Report Requested:** 10:17:53

**First Dose M/F:** 06/20/05 / 06/20/05

**Lab:** BNW

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**ANIMAL ID:** 749

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 25 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 54117

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: TGL 2 = NCL

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TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Larynx
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Bronchial
- \* Ovary
- \* Salivary Glands
- \* Thymus
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Adrenal Medulla
- \* Bone Marrow
- \* Kidney
- [ Hydronephrosis TGLs = 4-6 ]
- \* Liver
- [ Hemangioma TGLs = 3-6 ]
- [ Hepatocellular Carcinoma TGLs = 2-12+13 ]
- \* Lung
- Mesentery
- [ Necrosis TGLs = 1-15 ]
- \* Nose
- Respirat Epith
- Turbinat
- Respirat Epith
- Olfactory Epi
- Hyperplasia
- Thrombosis
- Hydronephrosis
- Nephropathy
- Eosinophilic Focus
- Hemangioma
- Hepatocellular Carcinoma
- Hepatocellular Carcinoma
- Necrosis
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperostosis
- Hyperplasia
- Metaplasia
- Mild
- Mild
- Marked
- Marked
- Metastatic (Liver)
- Mild
- Minimal
- Moderate
- Mild
- Minimal
- Respiratory, Mild

\* PROTOCOL REQUIRED TISSUE

TDMS No. 20303 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 04/14/2011

Time Report Requested: 10:17:53

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

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ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 25 ppm

DISP: Terminal Sacrifice

HISTO: 54118

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ORGAN AND ACCOUNTABLE SITE STATUS

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\* Stomach, Forestomach

Necrosis

Mild

[ Necrosis TGLs = 5-9 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

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\*\*\* END OF REPORT \*\*\*