

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

C Number:	C60139A
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	10/27/1987

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Nose	Pancreas	Parathyroid Gland
Prostate	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Heart	Coron Artery	Inflammation	Chronic, Minimal
Kidney		Ectopic Tissue	
Note: ECTOPIC BONE PRESENT IN RENAL MEDULLA			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-2			
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Minimal
Salivary Glands	Artery	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Moribund	DAY ON TEST: 215 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Islets, Pancreatic	Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 1-1]			
Testes			
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH

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Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 587
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-7			
Note: C OF DEATH: HEPATOCELLULAR CARCINOMA			
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Islets, Pancreatic		Adenoma	
Liver		Cyst	
Note: CYST TGLs = 1-7			
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER TGLs = 2-8			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Tooth	Molar, Pulp	Inflammation	Chronic, Moderate
Urin Bladder			
Note: LOSS OF EPITHELIUM IN UR BLADDER IS ARTIFACT			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Blood		Polychromasia	
Kidney	Renal Tubule	Casts Protein	Multifocal, Moderate
	Glomerulus	Inflammation	Proliferative, Moderate
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Inclusion Body Intracytoplasmic	Mild
		Thrombosis	

Note: HEPATOCLR CARC TGLs = 1,3-1+7

Note: EOSINOPHILC INTRACYTPL INCL BODIES IN ADENOMA ONLY

Note: NO CORRESP LESION FOR LIVER FOCUS NOTED AT NECROPSY

Note: HEPATOCLR ADEN TGLs = 2-1

Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lung	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-1			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Cyst	
[Cyst TGLS = 2-1]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-2]			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney	Fat	Infiltration Cellular	Histiocyte, Focal, Mild
Lymph Node	Mandibular	Infiltration Cellular	Histiocyte, Moderate
Spleen	Subcapsular	Infiltration Cellular	Histiocyte, Multifocal, Mild
Stomach	Forestomach, Lamina Propria	Infiltration Cellular	Histiocyte, Focal, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Carcinoma	
		Thrombosis	
Note: HEPATOCLR CARC TGLs = 2,5-8+9			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 3,4-2			
Preputial Gland		Abscess	Moderate
Note: ABSCESS TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER TGLs = 6-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Islets, Pancreatic		Hyperplasia	Minimal
Skin		Inflammation	Chronic, Minimal
Note: CHRONIC INFLAMMATION PRESENT IN SECTION OF			
Note: INGUINAL SKIN (SLIDE #2) INCLUDED WITH MAMM GLAND			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 1	SEX: Male	DAY ON TEST: 624
	DOSE: 0 MG/ML	DISP: Drowned	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Harderian Gland		Adenoma	
Islets, Pancreatic		Hyperplasia	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Congestion	Diffuse, Moderate
Note: C O DEATH: DROWNED			
Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Minimal
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS TGLs = 2-7			
Note: ACANTHOSIS TGLs = 2-7			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 438
	DOSE: 0 MG/ML	DISP: Drowned	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung		Congestion	Diffuse, Mild
	Bronchiole	Edema	Diffuse, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-1]			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 624
	DOSE: 0 MG/ML	DISP: Drowned	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Lung		Inflammation	Suppurative, Focal, Minimal
Note: CELLULAR DEBRIS AND PMN FILL ONE BRONCHUS			
Note: C O DEATH: DROWNED			
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-2			
Preputial Gland		Abscess	Moderate
Note: ABSCESS TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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 - Mandibular
Nose	Pancreas	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney	Renal Tubule	Cyst	Mild
Liver		Cytomegaly	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Minimal
Note: NO CORRESP LESION FOR LIVER NODULE NOTED AT NECROPSY			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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INSUFFICIENT TISSUE

Spleen

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Liver			
Note: NOTED AT NECROPSY			
Note: NO CORR LESION FOUND FOR NODULE OF LIVER			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-7			
Skin			
Note: SECTION OF INGUINAL SKIN (SLIDE #2) INCLUDED			
Note: WITH MAMMARY GLAND IS MISSIBG			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1
DOSE: 0 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal

Skin

Note: INSUFFICIENT TISSUE IN SECTION OF INGUINAL SKIN

Note: (SLIDE # 2) INCLUDED WITH MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Liver		Hepatocellular Carcinoma	
		Thrombosis	
Note: HEPATOCLR CARC TGLs = 1,2-7+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Pituitary Gland	Pars Intermed	Adenoma	
Skin	Scapula	Acanthosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN			
Note: (SLIDE #4) SUBMITTED PRIMARILY FOR			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-7			
Pancreas		Hyperplasia	Nodular, Minimal
Preputial Gland		Inflammation	Chronic, Moderate
Note: (SLIDE #2) INCLUDED WITH MAMMARY GLAND AND PREPUTIAL GLAND			
Note: CHRONIC INFLAMMATION PRESENT IN SECTION OF INGUINAL SKIN			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1
DOSE: 0 MG/ML

SEX: Male
DISP: Moribund

DAY ON TEST: 600
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hemangiosarcoma	
Note: C O MORB: HEMANGIOSARC OF LIVER AND SPLEEN			
Note: HEMANGIOSARC TGLs = 6-1			
Mesentery		Inflammation	Chronic, Mild
		Lipoma	
Note: LIPOMA TGLs = 3-1			
Preputial Gland		Abscess	Moderate
Note: ABSCESS TGLs = 1-8			
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 4,5-9			
Testes		Hemangiosarcoma	
		Infarct	Marked
Note: INFARCT TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver			

Note: NO CORRESP LESION FOR LIVER NODULE NOTED AT NECROPSY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	

Note: HEPATOCLR ADEN TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 574
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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 - Mandibular	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney	Renal Tubule	Bacterium	
		Inflammation	Necrotizing, Mild
Liver		Hepatocellular Adenoma	
		Necrosis	Coagulative, Multifocal, Mild
		Thrombosis	
Note: HEPATOCLR ADEN	TGLs = 1-7		
Note: NECROSIS	TGLs = 2-1		
Prostate		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2,4-8			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Lymph Node	Mesenteric, Sinus	Ectasia	Marked
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Minimal
Note: ECTASIA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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 - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Kidney		Hemorrhage	Multifocal, Minimal
Note: HEMORRHAGE TGLs = 3-8			
Liver		Hemangioma	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-7			
Note: NO CORRESP LESION FOR BROWN FOCUS SEEN AT NECROPSY			
Note: HEMANGIOMA TGLs = 2-7			
Preputial Gland	Duct	Dilatation	Marked
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Testes	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Myocardium	Mineralization	Multifocal, Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Marked
Note: ECTASIA TGLs = 2-7			
Stomach	Glandular	Carcinoid Tumor Malignant	
	Glandular, Serosa	Granuloma	Moderate
Note: CARCIND TM MAL TGLs = 1,4-9+10			
Note: GRANULOMA TGLs = 1-9			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Intestine Small	Jejunum	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1-8			
Islets, Pancreatic		Hyperplasia	Minimal
Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 2-8			
Skin	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS PRESENT IN SECTION OF			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-7			
Lung		Hemorrhage	Focal, Minimal
Note: HEMORRHAGE IN LUNG ALVEOLI PROBABLY AGONAL			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: 0 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Mild
Heart	Myocardium	Inflammation	Chronic, Focal, Minimal
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Thrombosis	
Note: THROMBUS TGLs = 4,6-1+10 [Hemangiosarcoma TGLs = 4-1] [Hepatocellular Adenoma TGLs = 3-9]			
Lung		Hemorrhage	Focal, Minimal
Note: LUNG HEMORRHAGE IS PROBABLY AGONAL			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 5-7			
Spleen		Hemangiosarcoma	
		Thrombosis	
Note: C O MORB: HEMANGIOSARC OF LIVER AND SPLEEN Note: HEMANGIOSARC TGLs = 1,2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Hydronephrosis	Marked
Note: HYDRONEPHROSIS TGLs = 2-7			
Liver		Cyst	
Note: NO SECTION OF LIVER NODULE WAS MADE, Note: AS IT COULD NOT BE FOUND AT TRIM			
Preputial Gland		Abscess	Moderate
	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 3-9 Note: ABSCESS TGLs = 3-9			
Tooth	Molar, Peridont Tiss	Abscess	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1	SEX: Male	DAY ON TEST: 639
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Liver		Hepatocellular Adenoma	
		Thrombosis	
Note: HEPATOCLR ADEN TGLs = 1-7			
Lung		Alveolar/Bronchiolar Adenoma	
Stomach	Glandular	Inflammation	Necrotizing, Mild
Note: INFLAMMATION TGLs = 2,3-4+8			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Harderian Gland		Hyperplasia	Nodular, Mild
Islets, Pancreatic		Hyperplasia	Minimal
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal

Note: ACANTHOSIS TGLs = 1-7
Note: HYPERKERATOSIS TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Pericardium	Ectopic Thyroid	
Intestine Small	Duodenum	Polyp Adenomatous	
Liver		Hepatocellular Adenoma	Multiple

Note: HEPATOCLR ADEN TGLs = 1,2-7+8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Thymus

Bone
Harderian Gland
Intestine Large - Rectum
Kidney
Nose
Prostate
Stomach - Forestomach
Thyroid Gland

Epididymis
Heart
Intestine Small - Duodenum
Liver
Pancreas
Salivary Glands
Stomach - Glandular
Trachea

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland
Brain
Islets, Pancreatic
Stomach

Capsule

Hyperplasia
Mineralization
Hyperplasia

Mild
Multifocal, Minimal
Minimal

Note: NO CORRESP LESION FOR STOMACH NODULES NOTED AT TRIM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Tissue NOS	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
	Medulla	Hyperplasia	Mild
Bone	Cranium	Proliferation	Marked
Note: PROLIFERATION TGLs = 2-5			
Note: SITE OF BONY PROLIFERATION IS MAXILLA			
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Mild
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1-1+7			
Note: NO CORRESP LESION FOR LIVER FOCUS SEEN AT NECROPSY			
Tooth		Odontoma	
Note: ODONTOMA TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Islets, Pancreatic		Hyperplasia	Minimal
Liver			

Note: NO CORRESP LESION FOR LIVER FOCUS SEEN AT TISSUE CHECK

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-9			
Preputial Gland		Abscess	Moderate
Note: ABSCESS TGLs = 2-8			
Skin		Abscess	Marked
Note: ABSCESS PRESENT IN ABDOMINAL SKIN (SLIDE #7)			
Note: ABSCESS TGLs = 1-7			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Harderian Gland		Hyperplasia	Nodular, Moderate
Islets, Pancreatic		Hyperplasia	Mild
Liver		Cytomegaly	Multifocal, Minimal
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1 DOSE: 0 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 5 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Islets, Pancreatic	Mammary Gland	Pancreas
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Spleen	Depletion Lymphoid	Moderate
Testes		

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 495
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Lung		Congestion	Diffuse, Moderate
Note: CONGESTION TGLs = 2-2			
Skin	Scapula	Inflammation	Necrotizing, Minimal
Spleen		Depletion Lymphoid	Moderate
Note: DEPLET LYMPH TGLs = 1-1			
Testes			
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Cortex	Hyperplasia	Nodular, Moderate
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-7+8			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 3-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 732
DOSE: 0 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Epididymis	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Moderate
Bone Marrow	Femoral	Hemangioma	
	Femoral	Thrombosis	
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Inflammation	Chronic, Focal, Mild
Islets, Pancreatic		Hyperplasia	Mild
Liver		Hepatocellular Adenoma	Multiple
Note: NO CORRESP LESION FOR LIVER MEDIAN LOBE FOCUS SEEN AT NECR			
Note: HEPATOCLR ADEN TGLs = 1,2,3-7+8+9			
Lung		Hemorrhage	Multifocal, Mild
Note: PULMONARY HEMORRHAGE PROBABLY AGONAL			
Urinary Bladder		Hemangiosarcoma	
		Thrombosis	
Note: HEMANGIOSARC TGLs = 4-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Intestine Large	Rectum	Parasite Metazoan	
Preputial Gland	Duct	Dilatation	Moderate

Note: DILATATION TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Moderate
Islets, Pancreatic		Hyperplasia	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Mixed	
[Alveolar/Bronchiolar Adenoma TGLS = 1-2]			
Prostate		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain	Hypothalamus	Compression	Mild
		Hemorrhage	Multifocal, Minimal
		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 1-7]		
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN	TGLs = 2,3-2		
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 4
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Duodenum	Mammary Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Lung	Hemorrhage	Multifocal, Mild
Note: PULMONARY HEMORRHAGE PROBABLY AGONAL		
Spleen	Depletion Lymphoid	Moderate
Testes		
Note: C O DEATH: UNKNOWN		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Moderate
Islets, Pancreatic		Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-7			
Skin	Back	Parasite Metazoan	
Note: METAZOAN PARASITE PRESENT IN SKIN OF BACK (SLIDE #6)			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1
DOSE: 0 MG/ML

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Mild
Harderian Gland		Adenoma	
Islets, Pancreatic		Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3,4-8			
Lung			
Note: HAIR IN LUNG VIEWED AS ARTIFACTUAL			
Seminal Vesicle		Dilatation	Marked
Note: DILATATION TGLs = 1-7			
Spleen		Fibrosis	Focal, Moderate
		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2-1			
Tooth	Molar, Pulp	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Nodular, Mild
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-8]			
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal

Note: ACANTHOSIS TGLs = 1-4+7

Note: HYPERKERATOSIS TGLs = 1-4+7

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: OF TREATED SKIN (SLIDES 4&7) SUBMITTED PRIMARILY

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Harderian Gland	Bilateral	Adenoma	
Skin	Scapula	Acanthosis	Mild
	Scapula	Basosquamous Tumor Malignant	
	Scapula	Inflammation	Necrotizing, Mild
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
[Basosquamous Tumor Malignant TGLS = 1-7]			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Kidney
Nose
Prostate
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Pituitary Gland
Spleen
Thymus

OBSERVATIONS

Islets, Pancreatic

Hyperplasia

Minimal

Liver

Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 1-7

Skin

Note: IS THE SECTION THAT SHOULD HAVE BEEN IN SLIDE #6

Note: NO SECTION OF SKIN FROM BACK ON SLIDE #6; PROBABLY

Note: THE SECTION OF SKIN IN SLIDE #4 WITH NO LESIONS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Liver		Hemangioma	
		Thrombosis	
[Thrombosis TGLS = 1,2-7]			
Skin	Scapula	Acanthosis	Minimal

Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)

Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Liver	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Histiocytic	
		[Alveolar/Bronchiolar Adenoma TGLS = 2-2]	
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 3-8		
Pancreas	Acinus	Atrophy	Minimal
Skin	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1-7		
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Moderate
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-1		
Note: LYMPH MAL MIXD	TGLs = 5-2		
Note: LYMPH MAL MIXD	TGLs = 4-7		
Skin	Back	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-1		
Note: C O MORB: LYMPHOMA MAL MIXD			
Thymus		Ectopic Parathyroid Gland	
Tooth	Incisor, Peridont Tiss	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 14

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Thymus

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Salivary Glands
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Skin
 Back
 Note: HYPERKERATOSIS PRESENT IN UNTREATED SKIN (SLIDE #2)
Spleen
Testes
 Note: C O DEATH: UNKNOWN

Hyperkeratosis
Minimal
Hematopoietic Cell Proliferation
Marked
Inflammation
Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Moderate
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-7]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]			
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Tooth	Molar, Peridont Tiss	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Adenoma Hyperplasia Mineralization	Nodular, Mild Multifocal, Minimal
Brain			
Harderian Gland			
Note: THE ONE HARDERIAN GLAND THAT WAS FOUND (SLIDE #5) IS NORMAL			
Note: NO SECTION TAKEN FOR 5X5X3MM HARDERIAN GL MASS;			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLER ADEN TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Mild
Skin	Scapula	Acanthosis Acanthosis	Minimal Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF SKIN (SLIDE #2)			
Note: INCLUDED ALONG WITH MAMMARY GLAND			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEPL LESIONS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Liver		Hemangioma	
		Necrosis	Coagulative, Multifocal, Mild
		Thrombosis	
[Thrombosis TGLS = 1,2,3-7+8]			
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Cyst	
[Cyst TGLS = 1-7]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-8]			
Skin	Scapula	Acanthosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Liver		Hemangioma	
Note: HEMANGIOMA	TGLs = 2-7		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 1-2		
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Stomach	Forestomach	Squamous Cell Papilloma	
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 30 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Spleen		Depletion Lymphoid	Marked
Testes			

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 654 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Liver		Cyst	
Note: CYST	TGLs = 2-8		
Sem Ves			
Note: NO CORRESP LESION FOR SEM VES ENLARGEMENT NOTED AT NECROPSY			
Testes			
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Basosquamous Tumor Malignant	

Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS
[Acanthosis TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Moribund	DAY ON TEST: 698 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hemangioma	
Note: C O MORB: HEMANGIOMA OF LIVER AND SQUAM CELL CARC [Hemangioma TGLS = 1-7]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-2]			
Skin	Back	Acanthosis	Mild
	Back	Squamous Cell Carcinoma	
Note: SKIN (SLIDE #6); JUDGED TO BE OUTSIDE TREATED AREA Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF UNTREATED			
Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78	TRT#: 3	SEX: Male	DAY ON TEST: 590
	DOSE: 25 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Mild
Liver		Hepatocellular Carcinoma	

Note: C O DEATH: HEPATOCELLULAR CARCINOMA
[Hepatocellular Carcinoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Colon	Parasite Metazoan	
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
Note: ECTASIA TGLs = 3-8			
Note: INFILTRAT CELL TGLs = 3-8			
Skin	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: ACANTHOSIS AND HYPERKERATOSIS PRESENT IN SECTION			
Note: OF INGUINAL SKIN (SLIDE #2) ATTACHED TO MAMMARY GLAND			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: ACANTHOSIS AND HYPERKERATOSIS PRESENT IN SECTION			
Spleen		Amyloid Deposition	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Hematopoietic Cell Proliferation

Minimal

[Hematopoietic Cell Proliferation TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Heart	Myocardium	Inflammation	Subacute, Focal, Minimal
Liver		Cyst	
Note: CYST	TGLs = 2-8		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 3-2		
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Minimal
	Back	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
[Squamous Cell Carcinoma TGLS = 1-7]			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 1-7			
Skin	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal

Note: ACANTHOSIS PRESENT IN SECTION OF INGUINAL SKIN
Note: (SLIDE #2) SUBMITTED WITH MAMMARY GLAND
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Hyperplasia	Nodular, Mild
Intestine Large	Cecum	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Focal, Moderate
Note: C O DEATH: HEPATOCELLULAR CARCINOMA			
Note: HEPATOCLR CARC TGLs = 2-7			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Minimal
Note: HEMA CELL PROL TGLs = 3-8			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: ACANTHOSIS AND HYPERKERATOSIS PRESENT IN SECTION			
Note: HYPERKERATOSIS TGLs = 1-4			
Note: ACANTHOSIS TGLs = 1-4			
Note: FOR EVALUATION OF NONEOPLASTIC LESIONS			
Note: OF TREATED SKIN 8SLIDE 349 SUBMITTED PRIMARILY			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Coron Artery	Inflammation	Chronic, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple

Note: SQUAM CEL CARC TGLs = 1,2-7+8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 525

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Liver		Hepatocellular Adenoma	
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-2			
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Back	Squamous Cell Carcinoma	
		Squamous Cell Carcinoma	

Note: EITHER WAS LOST AT NECROPSY OR AT SOME STAGE OF PROCESSING

Note: NO SECTION TAKEN OF NODULE IN TREATED SKIN; SAMPLE

Note: SQUAM CEL CARC TGLs = 1-8

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: EXTENSION OF A TUMOR FROM THE TREATED SITE

Note: JUDGED NOT TO BE IN TREATED AREA; PROBABLY IS AN

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SKIN OF FACE;

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 525

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

[Inflammation TGLS = 6-7]

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 5-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 3	SEX: Male	DAY ON TEST: 381
	DOSE: 25 MG/ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Blood Vessel	Renal Artery	Inflammation	Chronic, Moderate
Heart	Coron Artery	Inflammation	Chronic, Mild
	Artery	Thrombosis	
Lung	Interstitialium	Inflammation	Chronic, Minimal
Testes			

Note: C O MORB: UNKNOWN

PRIMARY CAUSE OF DEATH -

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	

MISSING

Mammary Gland	Urinary Bladder
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OBSERVATIONS

Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Kidney		Infarct	Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)
Note: INFARCT	TGLs = 6-1		
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 5-1+11		
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 7-2]			
Lymph Node	Axillary, Deep Cervical, Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 2,3-8+9		
Skin	Scapula	Acanthosis	Mild
		Edema	Moderate
	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	
Note: EDEMA PRESENT IN SECTION OF INGUINAL SKIN			
Note: TREATED SKIN (SLIDE #4) INCLUDED PRIMARILY			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: (SLIDE #2) INCLUDED WITH MAMMARY GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 673 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

[Squamous Cell Carcinoma TGLS = 1-7]

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 4-10

Thyroid Gland

Follicle

Hyperplasia

Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
Note: ALV BRON CARC TGLs = 2,3-8+9			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: SQUAM CEL CARC TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Moribund	DAY ON TEST: 481 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Atrium Lft Atrium Lft	Dilatation Thrombosis	Marked
Note: C O MORB: CONGESTIVE HEART FALIURE; L. ATRIAL THROMBUS [Dilatation TGLS = 1-2]			
Lung	Alveolus Interstitium	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Liver	Vein	Dilatation	Focal, Minimal
Note: DILATATION TGLs = 3-8			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-7			
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Spleen

Note: NO CORRESP LESION FOR MOTTLED SPLEEN NOTED AT NECROPS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 38
	DOSE: 25 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Spleen	Depletion Lymphoid	Marked
Testes		

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Prostate		Inflammation	Chronic Active, Mild
Skeletal Muscle	Hindlimb	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2-8			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Chronic, Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Hyperplasia Mineralization Hepatocellular Adenoma Hyperplasia	Mild Nodular, Mild Multifocal, Minimal Lymphoid, Moderate
Brain			
Liver			
Lymph Node			
Note: INFILTRAT CELL TGLs = 1-4			
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Spleen		Hemangioma	
Tooth	Incisor, Peridont Tiss	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Pancreas	Acinus	Atrophy	Marked
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN 8SLIDE 349			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-1			
Thyroid Gland		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1-1+7			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97 TRT#: 3 SEX: Male DAY ON TEST: 731
DOSE: 25 MG/ML DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic, Minimal
Note: DILATATION TGLs = 3-9			
Skin	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Back	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF SKIN

Note: FOR EVALUATION OF NONNEOPL LESIONS

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN TREATED

Note: ACANTHOSIS IN INGUINAL SKIN ATTACHED TO MAMM GL (SL #2)

Note: OF BACK AND JUDGED TO BE OUTSIDE TREATED SITE

[Acanthosis TGLS = 1,2-7+8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 25 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Inclusion Body Intracytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 3,4-1+9			
Note: EOSINOPHILIC INTRACYTOPL INC BODIES IN TUMOR CELLS ONLY			
Preputial Gland		Abscess	Moderate
Note: ABSCESS TGLs = 2-8			
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SQUAM CELL CARC PRESENT IN SECTION OF TREATED			
[Squamous Cell Carcinoma TGLS = 1-4+7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99	TRT#: 3 DOSE: 25 MG/ML	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Heart	Myocardium	Inflammation	Chronic, Multifocal, Minimal
Liver		Hemangiosarcoma	Multiple
Note: HEMANGIOSARC TGLs = 1,2-7			
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 1,2-7]			
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Vinyl-1-cyclohexene diepoxide

CAS Number: 106-87-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:08:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Testes
Urinary Bladder

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thymus

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Thyroid Gland

Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Stomach - Glandular
Trachea

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland

Brain
Skin

Capsule
Cortex

Scapula

Hyperplasia
Hyperplasia
Mineralization
Acanthosis

Moderate
Nodular, Minimal
Multifocal, Minimal
Minimal

Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS

Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 470

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Pancreas
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pituitary Gland
Spleen
Thymus

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Prostate
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular
Trachea

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Epididymis
Liver

Capsule

Hyperplasia
Granuloma Sperm
Hemangiosarcoma
Necrosis

Mild
Mild
Multiple
Coagulative, Multifocal, Moderate

Note: C O DEATH: HEMANGIOSARC

Note: HEMANGIOSARC TGLs = 1,2,3-1+7

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
Islets, Pancreatic		Hyperplasia	Moderate
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Multifocal, Mild
[Hepatocellular Carcinoma TGLS = 2-8]			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
[Acanthosis TGLS = 1-7]			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-6			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Moderate
Heart	Valve	Inflammation	Subacute, Minimal
	Valve	Thrombosis	
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Abscess	Moderate
Note: ABSCESS	TGLs = 1-7		
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONEOPL LESIONS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 721

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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 - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Kidney		Infarct	Minimal
Note: INFARCT	TGLs = 2-1		
Liver		Necrosis	Coagulative, Multifocal, Mild
[Necrosis TGLS = 3-1]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-8]			
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1-7		
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Tissue NOS	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Preputial Gland		Abscess	Moderate
Note: ABSCESS TGLs = 1-7			
Skin	Scapula	Acanthosis	Moderate
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Intestine Small	Jejunum	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 2-7			
Islets, Pancreatic		Cytoplasmic Alteration	Moderate
Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 3-8			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 732
DOSE: 25 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-5+9]			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
[Acanthosis TGLS = 2,3-7+8]			
Spleen		Fibrosis	Focal, Minimal
Thyroid Gland		Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Testes	Trachea	

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Nodular, Mild
	Capsule	Lymphoma Malignant Mixed	
Brain		Mineralization	Multifocal, Minimal
Heart		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
	[Lymphoma Malignant Mixed TGLS = 4-9]		
Liver		Lymphoma Malignant Mixed	
	[Lymphoma Malignant Mixed TGLS = 3-1]		
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Note: LYMPH MAL MIXD TGLs = 5-2		
	[Lymphoma Malignant Mixed TGLS = 6-7]		
Mesentery		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Mixed	
	Note: C O MORB: LYMPHOMA MAL MIXED		
	[Lymphoma Malignant Mixed TGLS = 1-8]		
Stomach	Glandular	Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicle

Hyperplasia

Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hemangioma	Multiple
Note: HEMANGIOMA	TGLs = 1-1+7		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5
DOSE: 50 MG/ML

SEX: Male
DISP: Moribund

DAY ON TEST: 564
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS
Note: SQUAM CEL CARC TGLs = 8-8

Squamous Cell Carcinoma

Metastatic (Skin)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Harderian Gland		Carcinoma	
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-2			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Marked
		Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1-7+9			
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: (SLIDE # 2) INCLUDED WITH MAMMARY GLAND			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: HYPERKERATOSIS PRESENT IN INGUINAL SKIN			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: NECROTIZING INFLAMMATION PRESENT IN ABDOM SKIN (SLIDE #8)			
[Inflammation TGLS = 2-8]			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Nodular, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Moderate
	Back	Hyperkeratosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC	TGLs = 1,2,3-7+8+9		
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 4-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 411

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-2			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: MASS (SLIDE #4) WAS SUBMITTED			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Rectum	Lymph Node - Mandibular
Mammary Gland	Pituitary Gland		

OBSERVATIONS

Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
		Squamous Cell Carcinoma	Multiple
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND			
Note: SQUAM CEL CARC TGLs = 2-8			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 3-1]			
Thyroid Gland		Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
	Valve	Thrombosis	
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 5,8-1+10]			
Liver		Hepatocellular Adenoma	
		Inclusion Body Intracytoplasmic	Mild
		Inflammation	Chronic Active, Multifocal, Mild
Note: EOSINOPHILIC INCLUSION BODIES PRESENT IN ADENOMA ONLY			
Note: HEPATOCLR ADEN TGLs = 4-9			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 6,7-2+8			
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
	Mediastinal	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Note: INFILTRAT CELL TGLs = 3-4			
Note: PRIMARY SITE UNKNOWN			
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MASSES (SLIDE #4) WAS SUBMITTED

Note: SQUAM CEL CARC TGLs = 2-7

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Nodular, Moderate
Skin	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Chronic Active, Mild
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: INFLAMMATION TGLs = 2-8

Note: RESPECTIVELY) SUBMITTED PRIMARILY FOR EVAL OF NONEOPL LES

Note: INFLAMMATION TGLs = 3-9

[Inflammation TGLS = 1-7]

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 4-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128	TRT#: 5 DOSE: 50 MG/ML	SEX: Male DISP: Moribund	DAY ON TEST: 726 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus		
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OBSERVATIONS

Brain		Mineralization	Multifocal, Minimal
Epididymis		Inflammation	Subacute, Mild
Liver		Inflammation	Chronic Active, Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Minimal
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 3-8			
Pancreas	Acinus	Atrophy	Mild
Prostate		Inflammation	Chronic Active, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: EVALUATION OF NONNEOPLASTIC LESIONS			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-9			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129	TRT#: 5	SEX: Male	DAY ON TEST: 689
	DOSE: 50 MG/ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 6-11			
Lung		Hemorrhage	Focal, Minimal
Skin	Scapula	Acanthosis	Moderate
		Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Marked
		Inflammation	Necrotizing, Marked
	Scapula	Squamous Cell Carcinoma	Multiple
		Squamous Cell Carcinoma	

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR
Note: EVALUATION OF NONNEOPLASTIC LESIONS
Note: C O MORB: SQUAMOUS CELL CARCINOMA
Note: INSUFFICIENT TISSUE PRESENT TO EVALUATE HISTLOGICALLY
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE ALOPECIA OF VENTRAL SKIN NOTED AT NECROPSY (SLIDE #9)

[Hyperkeratosis TGLs = 1,2,3-7+8+9]

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 5-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Focal, Mild
	Cortex	Lymphoma Malignant Lymphocytic	
Brain		Mineralization	Multifocal, Minimal
Epididymis		Lymphoma Malignant Lymphocytic	
Harderian Gland		Lymphoma Malignant Lymphocytic	
Heart		Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-1			
Liver		Lymphoma Malignant Lymphocytic	
Lung		Hemorrhage	Focal, Minimal
	Interstitialium	Inflammation	Chronic, Mild
Lymph Node	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-8]			
Salivary Glands	Submandibul GI	Lymphoma Malignant Lymphocytic	
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Back	Lymphoma Malignant Lymphocytic	
	Scapula	Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Scapula

Lymphoma Malignant Lymphocytic

Squamous Cell Carcinoma

Note: SQUAM CEL CARC TGLs = 1-7

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: C O MORB: SQUAM CELL CARC AND LYMPH MAL LYMPH

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 436

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain	Mineralization	Multifocal, Minimal
Liver	Hepatocellular Adenoma	
Skin	Scapula	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS		
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED		
Spleen	Depletion Lymphoid	Marked
Testes		
Note: C O MORB: UNKNOWN		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 527

DOSE: 50 MG/ML

DISP: Drowned

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Salivary Glands
Testes
Urinary Bladder

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Parathyroid Gland
Spleen
Thymus

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Brain
Skin

Capsule
Scapula
Scapula

Hyperplasia
Mineralization
Acanthosis
Squamous Cell Carcinoma

Minimal
Multifocal, Minimal
Mild

Note: SQUAM CEL CARC TGLs = 1-7

Testes

Note: C O DEATH: DROWNING

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133	TRT#: 5	SEX: Male	DAY ON TEST: 711
	DOSE: 50 MG/ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 4-10]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 6-2]		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 5-2]			
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Skin	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
[Squamous Cell Carcinoma TGLS = 1,2-7+8]			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134	TRT#: 5 DOSE: 50 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 643 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Intest Large
Note: NEMATODE PRESENT, BUT IMPOSSIBLE TO IDENTIFY SITE

Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1,2-7+8
Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Spleen		Hematopoietic Cell Proliferation	Mild
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Note: HEMA CELL PROL TGLs = 3-9

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Necrosis	Coagulative, Multifocal, Mild
Note: NECROSIS TGLs = 6-1			
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Minimal
Note: INFILTRAT CELL TGLs = 5-10			
Preputial Gland		Abscess	Mild
	Duct	Dilatation	Moderate
[Abscess TGLS = 1-10]			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Keratoacanthoma	
Note: SQUAM CEL CARC TGLs = 2,3,4-7+8+9		Squamous Cell Carcinoma	Multiple
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: KERATOACANTHMA TGLs = 2-7			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136	TRT#: 5 DOSE: 50 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 678 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Skin	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Liquifactive, Marked
	Medulla	Necrosis	Liquifactive, Marked
Note: NECROSIS TGLs = 2-6			
Brain		Mineralization	Multifocal, Minimal
Epididymis		Inflammation	Subacute, Mild
Harderian Gland		Inflammation	Subacute, Moderate
Kidney		Inflammation	Subacute, Multifocal, Moderate
[Inflammation TGLS = 3-1]			
Liver		Inflammation	Chronic Active, Multifocal, Moderate
[Inflammation TGLS = 4-1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Renal	Hyperplasia	Plasma Cell, Moderate
	Renal	Infiltration Cellular	Polymorphnuclr, Minimal
Note: HYPERPLASIA TGLs = 5-1			
Note: INFILTRAT CELL TGLs = 5-1			
Prostate		Inflammation	Chronic Active, Moderate
Salivary Glands		Inflammation	Subacute, Multifocal, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: TREATED SKIN (SLIDE #4) SEPARATE FROM MASS			
Note: SQUAM CEL CARC TGLs = 1-4+7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 6-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Epididymis		Inflammation	Subacute, Mild
		Lymphoma Malignant Lymphocytic	Subacute, Mild
		Squamous Cell Carcinoma	Metastatic (Skin)
Lung			
Note: SQUAM CEL CARC	TGLs = 7-2		
Lymph Node		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 3-9		
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
	Back	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple

Note: JUDGED TO BE OUTSIDE THE TREATED SITE (SLIDE # 9)
 Note: SQUAMOUS CARCINOMA OBSERVED IN AXILLARY SKIN AND
 Note: AT NECROPSY (SLIDE #11)
 Note: NO CORRESP LESION FOR FLUID NOTED IN ABDOMINAL SKIN
 Note: C O MORB: SQUAMOUS CELL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HIND FOOT (SLIDE #10); JUDGED T BE OUTS TREATED SITE

Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF LEFT

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: SQUAM CEL CARC TGLs = 1,2-7+8

[Inflammation TGLs = 4-10]

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLs = 6-1]

Testes

Note: NO CORRESP LESION FOR SOFT TESTES NOTED AT NECROPSY

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 4

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Kidney
Pancreas
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Liver
Prostate
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Salivary Glands
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Colon
Islets, Pancreatic
Nose
Skin
Thymus

MISSING

Intestine Small - Ileum
Pituitary Gland

Lymph Node - Mandibular

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Spleen
Testes

Depletion Lymphoid

Marked

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Liver		Hemangiosarcoma	
		Necrosis	Coagulative, Multifocal, Marked
Note: HEMANGIOSARC TGLs = 7,9,11,12-1+12+13+15 [Hemangiosarcoma TGLS = 6,8,10-12+13+14]			
Lung		Thrombosis	
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2,3,4,5-7+8+9+10+11			
Spleen		Hemangiosarcoma	
Note: C O DEATH: HEMANGIOSARCOMA AND SQUAM CELL CARCINOMA			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Stomach - Glandular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Islets, Pancreatic		Hyperplasia	Minimal
Sem Ves			
Note: NO CORRESP LESION FOR SEMINAL VESICLE			
Note: ENLARGEMENT NOTED AT NECROPSY			
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Mild
	Scapula	Basal Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2,3,4-7+8+9+10			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: NO CORRESP LESION FOR THINNESS OF ABDOM SKIN NOTED AT NECR			
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule Cortex, Medulla	Hyperplasia Squamous Cell Carcinoma	Mild Metastatic (Skin)
Brain		Mineralization	Multifocal, Minimal
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Note: NO CORRESP LESION FOR KIDNEY MOTTILING NOTED AT NECR			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 7-10			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-2			
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 2-9			
Skeletal Muscle	Diaphragm	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 6-8			
Skin	Scapula Scapula	Acanthosis Squamous Cell Carcinoma	Mild
Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 688
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lung		Hemorrhage	Multifocal, Minimal
		Squamous Cell Carcinoma	Metastatic (Skin)
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Moderate
	Back	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SQUAM CEL CARC TGLs = 1,2-4+7+8

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF

Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 3-1]		

Testes	Interstit Cell	Adenoma	
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Focal, Mild
Note: HEPATOCLR CARC TGLs = 7-11			
Note: NECROSIS TGLs = 5-11			
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 4-2]			
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 8-10			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9			
Note: C O MORB: SQUAM CELL CARC AND HEPATOCELLULAR CARCINOMA			
Spleen		Hemangioma	
		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 6-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 4

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Heart
Intestine Small - Duodenum
Kidney
Pancreas
Salivary Glands
Testes
Urinary Bladder

Bone
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Parathyroid Gland
Skin
Thymus

Bone Marrow
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pituitary Gland
Stomach - Forestomach
Thyroid Gland

MISSING

Lymph Node - Mandibular

Mammary Gland

OBSERVATIONS

Spleen
Testes

Depletion Lymphoid

Marked

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 614

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lung	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	
<p>Note: SQUAM CEL CARC TGLs = 1-7 Note: C O MORB: SQUAMOUS CELL CARCINOMA Note: NECROTIZING INFLAMMATION PRESENT IN SECTION</p>			
Spleen		Hematopoietic Cell Proliferation	Moderate
<p>[Hematopoietic Cell Proliferation TGLS = 2-8]</p>			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 543

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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 - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney	Renal Tubule	Bacterium	
		Inflammation	Necrotizing, Moderate
Note: INFLAMMATORY LESION OF KIDNEY IS PYELONEPHRITIS			
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Multifocal, Marked
Note: C O DEATH: HEPATO CARC; SQU CELL CARC; PYELONEPHRITIS [Hepatocellular Carcinoma TGLS = 3-8]			
Lung			
Note: NO CORRESP LESION FOR GROSS OBSERV OF PINK LUNGS AT NECR			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 2-6			
Prostate		Inflammation	Chronic Active, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: SQUAM CEL CARC TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 543

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 4

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Testes			

Note: C O MORB: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Kidney		Infarct	Moderate
Liver		Amyloid Deposition	Moderate
		Cyst	
[Cyst TGLS = 4-1+11]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 6,7-2+9+10			
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 5-12			
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	
Note: INGUINAL SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

[Hyperkeratosis TGLS = 1,2-7+8]

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 3-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 625

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Epididymis		Inflammation	Subacute, Minimal
Harderian Gland		Inflammation	Subacute, Mild
Liver		Cyst	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Multifocal, Moderate
[Hepatocellular Carcinoma TGLS = 5-1]			
Lung			
Note: NO CORRESP LESION FOR LUNG NODULE NOTED AT NECROPSY			
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 4-4			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: C O MORB: SQUAMOUS CELL CARCINOMA; HEPATOCELL CARCINOMA			
Note: SKIN (SLIDE #4) SEPARATE FROM MASSES			
[Squamous Cell Carcinoma TGLS = 1-7]			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 625

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 42

DOSE: 50 MG/ML

DISP: Drowned

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Liver
Nose
Prostate
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Testes
Urinary Bladder

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thymus

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Thyroid Gland

MISSING

Gallbladder

Islets, Pancreatic

Mammary Gland

OBSERVATIONS

Spleen
Testes

Depletion Lymphoid

Mild

Note: C O DEATH: DROWNRD

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 625
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Bone	Bone Marrow	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Epididymis		Inflammation	Subacute, Moderate
Harderian Gland		Inflammation	Subacute, Mild
Kidney		Inflammation	Subacute, Multifocal, Moderate
Note: INFLAMMATION TGLs = 14-1			
Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Multifocal, Moderate
		Necrosis	Coagulative, Multifocal, Minimal
[Hepatocellular Adenoma TGLS = 10-1]			
[Inflammation TGLS = 9-1]			
Lung		Alveolar/Bronchiolar Adenoma	
		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 12,13-2			
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Mild
	Mediastinal	Infiltration Cellular	Polymorphnuclr, Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 11-2			
Note: INFILTRAT CELL TGLs = 8-4			
Note: INFILTRAT CELL TGLs = 5-6			
Prostate		Inflammation	Chronic Active, Moderate
Salivary Glands		Inflammation	Subacute, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 625

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis Inflammation Squamous Cell Carcinoma	Mild Necrotizing, Marked
Note: FORELIMB AND RT. AXILLARY SKIN (SLIDES 9&10); THESE Note: NECROTIZING INFLAMMATION PRESENT IN SECTIONS OF RIGHT Note: SQUAM CEL CARC TGLs = 1,2-7+8 Note: MASSES (SLIDE #4) WAS SUBMITTED Note: LESIONS JUDGED TO BE LOCATED OUT OF TREATED SITE Note: INFLAMMATION TGLs = 3,4-9+10 Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Spleen		Hematopoietic Cell Proliferation Necrosis	Marked Coagulative, Mild
Note: HEMA CELL PROL TGLs = 6-1 Note: NECROSIS TGLs = 7-1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 520

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
Harderian Gland		Adenoma	
Liver		Hepatocellular Adenoma	
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-2			
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
Note: INFILTRAT CELL TGLs = 4-8			
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 625

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Epididymis		Inflammation	Subacute, Mild
Harderian Gland		Inflammation	Subacute, Minimal
Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Multifocal, Mild
		Thrombosis	

Note: C O MORB: HEPATOCELL CARCINOMA AND SQUAMOUS CELL CARC
 [Hepatocellular Carcinoma TGLS = 5,6-10]

Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Bronchial	Infiltration Cellular	Polymorphnuclr, Moderate
	Mandibular	Infiltration Cellular	Polymorphnuclr, Mild
	Mediastinal	Infiltration Cellular	Polymorphnuclr, Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
Prostate		Inflammation	Chronic Active, Moderate
Salivary Glands		Inflammation	Subacute, Multifocal, Mild
Skin		Inflammation	Acute, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple

Note: NO SECTION OF TREATED SKIN SEPARATE FROM MASSES
 Note: (SLIDE #4) WAS SUBMITTED WITH THIS CASE
 Note: ACUTE INFLAMMATION PRESENT IN SUBCUTIS OF INGUINAL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 625

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9

Note: SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Stomach - Glandular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 3-8			
Skin	Scapula	Acanthosis	Mild
	Back	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Note: HYPERKERATOSIS PRESENT IN UNTREATED SKIN (SLIDE #6)			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
[Hyperkeratosis TGLS = 1-7]			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 723
DOSE: 50 MG/ML **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
Thymus			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN

Note: (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: SQUAM CEL CARC TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Prostate
Salivary Glands	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Marked
	Cortex	Hyperplasia	Nodular, Mild
Intestine Large	Rectum	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Mild
Liver		Basophilic Focus	Moderate
		Cyst	
Note: CYST	TGLs = 6-12		
Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 5-11]		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SQUAM CEL CARC	TGLs = 1,2,3,4-7+8+9+10		
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Testes	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicle

Hyperplasia

Nodular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 625

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Ileum	Adenoma	
Skin		Abscess	Moderate
	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY
 Note: C O MORB: SQUAMOUS CELL CARCINOMA
 Note: ABSCESS PRESENT IN SUBCUTIS OF INGUINAL SKIN
 Note: (SLIDE #2) WHICH WAS INCLUDED WITH MAMMARY GLAND
 Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

[Squamous Cell Carcinoma TGLS = 1-7]

Spleen		Hematopoietic Cell Proliferation	Moderate
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[Hematopoietic Cell Proliferation TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Kidney	Renal Tubule	Cyst	
Note: CYST TGLs = 4-9			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2+10			
Skin	Scapula	Acanthosis	Moderate
		Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Marked
	Scapula	Squamous Cell Carcinoma	

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SQUAM CEL CARC TGLs = 1-4+7

Note: TREATED SKIN (SLIDE #8) SUBMITTED PRIMARILY

[Inflammation TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 594

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney			
Note: NO CORRESP LESION FOR BROWN KIDNEYS NOTED AT NECROPSY			
Lung		Hemorrhage	Multifocal, Minimal
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 4-8			
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 2-9			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
[Squamous Cell Carcinoma TGLS = 1-7]			
Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 3-1]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 594

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 729
DOSE: 50 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Basophilic Focus	Moderate
Note: BASOPH FOCUS	TGLs = 7-13		
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC	TGLs = 1,2,3,4,5,6-7+8+9+10+11+12		
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 572

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY

[Hyperkeratosis TGLS = 1-7]

Spleen		Hematopoietic Cell Proliferation	Moderate
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 625
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3-1			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Preputial Gland	Duct	Dilatation	Mild
Skin	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Valve	Bacterium	
	Valve	Inflammation	Subacute, Mild
	Valve	Thrombosis	
Note: C O MORB: VEGETATIVE ENDOCARDITIS AND SQUAM CELL CARC			
Liver		Necrosis	Coagulative, Multifocal, Mild
Note: NECROSIS	TGLs = 4-1+11		
Skin	Scapula	Acanthosis	Moderate
		Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Marked
		Inflammation	Necrotizing, Marked
	Scapula	Squamous Cell Carcinoma	
		Squamous Cell Carcinoma	

Note: NECROTIZING INFLAMMATION PRESENT IN ABDOMINAL SKIN
Note: (SLIDE #10) AND JUDGED TO BE OUTSIDE OF THE TREATED AREA
Note: (SLIDE #9) AND JUDGED TO BE OUTSIDE TREATED SITE
Note: INFLAMMATION TGLs = 6-8
Note: INFLAMMATION TGLs = 3-7
Note: SQUAM CEL CARC TGLs = 6-8
Note: SQUAMOUS CELL CARCINOMA PRESENT IN SKIN OF RT FORELIMB

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 2-10

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 5-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 523
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Pituitary Gland	Thymus	
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: NO SECTION OF TREATED SKIN SEPARATE FROM

Spleen		Fibrosis	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 30

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Ileum	Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Heart	Myocardium	Mineralization	Multifocal, Mild
Spleen		Depletion Lymphoid	Marked
Testes			

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 244

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Urinary Bladder	

MISSING

Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Pituitary Gland
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Blood Vessel	Aorta	Bacterium	
	Aorta	Inflammation	Chronic Active, Moderate
	Aorta	Thrombosis	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 435

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
		Inclusion Body Intracytoplasmic	Mild
Note: EOSINOPHIL CYTOPL INCL BODIES ONLY IN CELLS OF ADENOMA [Hepatocellular Adenoma TGLS = 3-1]			
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic, Moderate
Note: DILATATION TGLs = 1-7			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Spleen		Depletion Lymphoid	Marked
Note: DEPLET LYMPH TGLs = 2-1			
Testes			
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172	TRT#: 5 DOSE: 50 MG/ML	SEX: Male DISP: Dead	DAY ON TEST: 4 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Duodenum	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Skin	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal
Spleen		Depletion Lymphoid	Marked
Testes			

Note: C OF DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 218

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Intestine Small - Ileum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Heart	Valve	Bacterium	
	Valve	Inflammation	Subacute, Marked
	Valve	Thrombosis	
Spleen		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 1-1]		
Urinary Bladder		Ectasia	Moderate
Note: ECTASIA	TGLs = 2-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 416

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 4-2		
Lymph Node	Mandibular, Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 2-6		
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1-7		
Note: HYPERKERATOSIS IS PRESENT IN SECTION OF			
Note: TREATED AREA SLIDE #4) SUBMITTED PRIMARILY FOR			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: C OF DEATH: SQUAMOUS CELL CARCINOMA			
Note: EVALUATION OF NON-NEOPLASTIC LESIONS			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 3-1		
Stomach	Glandular	Squamous Cell Carcinoma	Metastatic (Skin)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 416

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tissue NOS	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	

Note: MISSING FROM SLIDE #2

Note: SECTION OF INGUINAL SKIN AS WELL AS MAMMARY GLAND

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: SQUAM CEL CARC TGLs = 1-7

[Squamous Cell Carcinoma TGLS = 2-7]

Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 515

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Kidney			
Note: NO CORRESP LESION FOR RENAL PALLOR SEEN AT NECROPSY: NCL			
Liver		Necrosis	Coagulative, Multifocal, Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 3,6,7,8-1+9]			
Lung	Alveolar Epith	Hyperplasia	Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 9-2			
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-6			
[Squamous Cell Carcinoma TGLS = 10-7]			
Skin		Cyst Epithelial Inclusion	
	Scapula	Squamous Cell Carcinoma	
Note: EPIDERMAL INCL CYST WAS PRESENT IN SECTION OF			
Note: INGUINAL SKIN (SLIDE #2) SUBMITTED WITH MAMMARY GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 515

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1-8

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Epididymis		Inflammation	Subacute, Mild
Pancreas	Acinus	Atrophy	Minimal
	Duct	Ectasia	Mild
Prostate		Inflammation	Chronic Active, Minimal
Skin	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Note: SQU CELL CARC OF AXILLA THOUGHT TO BE IN TREATED AREA			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-1]			
Stomach	Glandular	Hyperplasia	Mild
	Glandular	Inflammation	Acute, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Epididymis		Inflammation	Subacute, Mild
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Kidney		Inflammation	Subacute, Multifocal, Mild
Liver		Inflammation	Chronic Active, Multifocal, Mild
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 4,5-2]			
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Mild
		Squamous Cell Carcinoma	Metastatic (Skin)
Skin	Scapula	Squamous Cell Carcinoma	
Note: WAS BELIEVED TO BE IN THE TREATED AREA			
Note: SKIN NOS MASS WAS CODED AS SCAPULAR SKIN BECAUSE IT			
Note: (SLIDE #4) WAS SUBMITTED			
Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM MASSES			
Note: IS JUDGED TO BE ARTIFACT DUE TO TISSUE HANDLING			
Note: ALTERATION AT EDGE OF INGUINAL SKIN SECTION (SLIDE #2)			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Inflammation	Acute, Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 450
	DOSE: 100 MG/ ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Blood Vessel	Aorta	Bacterium	
	Aorta	Inflammation	Chronic Active, Mild
	Aorta	Thrombosis	
Note: C O DEATH: AORTIC INFLAMMATION (VEGETATIVE ENDOCARDITIS)			
Ovary			
Note: ONE OVARY MISSING			
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 486

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Epididymis		Inflammation	Subacute, Mild
Harderian Gland		Adenoma	
Intestine Large	Cecum	Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 5-4			
Lung		Basosquamous Tumor Malignant	Metastatic (Skin)
Note: BASOSQU TM MAL TGLs = 2,3-2			
Skin	Scapula	Basosquamous Tumor Malignant	
Note: C O DEATH: BASOSQUAMOUS TUMOR, MALIGNANT			
Note: BASOSQU TM MAL TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 4-1]			
Tooth	Molar, Peridont Tiss	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Lung	Interstitium	Inflammation	Chronic, Minimal
Stomach	Glandular	Inflammation	Necrotizing, Minimal
Note: INFLAMMATION TGLs = 1-6+12			
Testes			
Note: C O MORB: UNKNKOWN			
Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 466

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney			
Note: NO COORESP LESION FOR KIDEY ENLARGEMENT NOTED AT NECROPSY			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 10-2]			
Lymph Node	Inguinal, Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Pancreas			
Note: NO CORRESP LESION FOR PANCREATIC PALLOR NOTED AT NECROPSY			
Skin		Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
		Squamous Cell Carcinoma	

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: SQUAM CEL CARC TGLs = 1-7

Note: SQUAM CEL CARC TGLs = 2,3,5-8+9+10

Note: TREATED REGIONS IN LUMBAR AREA, RIGHT AND LEFT FORELIMBS

Note: HYPERKERATOSIS WAS PRESENT IN SECTION OF

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 466

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAMOUS CELL CARCINOMAS WERE PRESENT OUTSIDE THE

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Spleen

Hematopoietic Cell Proliferation

Mild

Stomach

Note: NO CORRESPONDING LESION FOR NODULES OF

Note: STOMACH (GLANDULAR AND FORESTOMACH) SEEN AT NECROPSY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 3-8]			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Minimal
Note: ECTASIA	TGLs = 4-7		
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: TREATED SKIN (SECTION #4) SUBMITTED PRIMARILY			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 493

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
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	Nose	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Thymus			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex, Medulla	Squamous Cell Carcinoma	Metastatic (Skin)
Brain		Mineralization	Multifocal, Minimal
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Liver		Squamous Cell Carcinoma	Metastatic (Skin)
	[Squamous Cell Carcinoma TGLS = 5,6-1]		
Lung		Hemorrhage	Multifocal, Mild
		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Axillary, Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 2,3-7		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1-8		
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF UNTREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 4-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 493

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal GI Note: TO ADRENAL GLAND IS MAND SALIV GL Note: POORLY PRESERVED PIECE OF TISSUE ADJACENT		
Brain	Mineralization	Multifocal, Minimal
Epididymis	Inflammation	Subacute, Moderate
Harderian Gland	Inflammation	Subacute, Minimal
Liver	Inflammation	Chronic Active, Multifocal, Minimal
Note: NO CORRESP LESION FOR LIVER PALLOR SEEN AT NECROPSY Lung [Squamous Cell Carcinoma TGLS = 4-2]	Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Infiltration Cellular	Polymorphnuclr, Minimal
Skin Mandibular Back Scapula Note: C O MORB: SQUAMOUS CELL CARCINOMA Note: HYPERKERATOSIS WAS IN THE UNTREATED SKIN (SLIDE #6) [Squamous Cell Carcinoma TGLS = 1-7]	Hyperkeratosis Squamous Cell Carcinoma	Minimal
Spleen [Hematopoietic Cell Proliferation TGLS = 2-8]	Hematopoietic Cell Proliferation	Marked
Testes Note: TESTICULAR ALTERATION JUDGED TO BE ARTIFACTUAL		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 419

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart		Dilatation	Moderate
Note: C O DEATH: CONGESTIVE HEART FAILURE, LUNG THROMBI			
Liver	Centrilobular, Sinusoid	Dilatation	Moderate
		Necrosis	Coagulative, Multifocal, Minimal
Lung		Thrombosis	
Skin		Squamous Cell Carcinoma	
Note: NO SECTION OF SCAPULAR SKIN PRESENT (SLIDE #4)			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: FORELIMB (SLIDE #7) AND JUDGED OUTSIDE TREATED AREA			
Note: SQUAMOUS CELL CARCINOMA PRESENT IN SKIN OF RIGHT			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-1			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 5,6-2+9			
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Preputial Gland	Duct	Dilatation	Mild
Note: DILATATION TGLs = 2-8			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: NECROTIZING INFLAMMATIONPRESENT IN SECTION OF			
Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 506
DOSE: 100 MG/ ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Blood Vessel			
Note: C O DEATH: AORTIC INFLAMMATION (VEGETATIVE ENDOCARDITIS)			
Liver		Necrosis	Coagulative, Multifocal, Mild
Skin	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-8			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-7			
Stomach	Glandular	Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 376

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Intestine Large - Cecum	Intestine Large - Rectum	Parathyroid Gland
Pituitary Gland			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-2			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-8			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE # 4) SUBMITTED PRIMARILY			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 522

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Bone	Tibia	Inflammation	Acute, Mild
Note: INFLAMMATION TGLs = 2-7			
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-8			
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-1]			
Stomach	Glandular	Ulcer	Moderate
Note: ULCER TGLs = 4-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 544

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Skin	Back	Acanthosis	Moderate
	Back	Inflammation	Necrotizing, Marked
	Scapula	Squamous Cell Carcinoma	

Note: NECROTIZING INFLAMMATION PRESENT IN THE INGUINAL SKIN

Note: (SLIDE #2) INCLUDED WITH MAMMARY GLAND

Note: NECROTIZING INFLAMMATION PRESENT IN UNTREATED

Note: SKIN SITE (BACK, SLIDE #8)

Note: INFLAMMATION TGLs = 2-8

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: MASS (SLIDE#4) WAS SUBMITTED

Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM

[Squamous Cell Carcinoma TGLS = 1-7]

Spleen		Hematopoietic Cell Proliferation	Marked
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Note: HEMA CELL PROL TGLs = 3-1

Stomach	Forestomach	Hyperkeratosis	Moderate
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 544

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERKERATOSIS TGLs = 4-9

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 429

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Brain	Mineralization	Multifocal, Minimal
Epididymis	Inflammation	Subacute, Marked
Lung	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-2		
Skin	Scapula	Mild
	Back	Minimal
	Scapula	Minimal
	Scapula	

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: HYPERKERATOSIS PRESENT IN SECTION OF THE

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: SQUAM CEL CARC TGLs = 1-7

Note: OF UNTREATED SKIN (BACK, SLIDE #6)

Note: HYPERKERATOSIS WAS PRESENT IN THE SECTION

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY

Spleen

Note: NO CORRESP LESION FOR SPLENIC ENLARGEMENT NOTED AT NECR

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 498

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland	Pituitary Gland
Thymus			

INSUFFICIENT TISSUE

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: DORSAL NECK REGION JUDGED TO BE IN TREATED AREA

Note: SQUAMOUS CELL CARCINOMAS IN DORSAL THORACIC AND

Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9

Spleen

Note: NO CORRESP LESION FOR SPLENIC SMALLNESS AND

Note: PALLOR OBSERVED AT NECROPSY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 558

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Epididymis		Inflammation	Subacute, Marked
Harderian Gland		Inflammation	Subacute, Mild
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Liver		Inflammation	Chronic Active, Multifocal, Minimal
		Necrosis	Coagulative, Multifocal, Minimal
[Inflammation TGLS = 3-1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Deep Cervical	Infiltration Cellular	Polymorphnuclr, Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
	Mediastinal	Infiltration Cellular	Polymorphnuclr, Mild
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 4-7			
Pancreas	Acinus	Atrophy	Minimal
Prostate		Inflammation	Chronic Active, Mild
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: SQUAM CEL CARC TGLs = 1-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 558

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 550

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Nose	Pancreas
Parathyroid Gland	Prostate	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Hemorrhage	Multifocal, Minimal
Epididymis		Inflammation	Subacute, Minimal
Heart	Valve	Bacterium	
	Valve	Inflammation	Subacute, Mild
	Valve	Thrombosis	
Note: INFLAMMATION (VEGETATIVE ENDOCARDITIS)			
Note: C O MORB: SQUAMOUS CELL CARCINOMA AND CARDIAC			
Kidney		Inflammation	Necrotizing, Minimal
Lung		Hemorrhage	Focal, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mandibular	Infiltration Cellular	Polymorphnuclr, Mild
Note: HEMA CELL PROL TGLs = 3-7			
Salivary Glands		Inflammation	Necrotizing, Multifocal, Mild
Note: SALIVARY GLAND INFLAMMATION WAS IN PERIGLANDULAR FAT			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SQUAM CEL CARC TGLs = 1-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 550

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERKERATOSIS WAS PRESENT IN SECTION OF

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 510
DOSE: 100 MG/ ML **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Note: NO CORRESP LESION FOR BRAIN SOFTNESS SEEN AT NECROPSY			
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY IS OF HYPERTROPHIC TYPE			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: ALV BRON CARC TGLs = 3-2			
Skin	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: SITE OF SQUAMOUS CELL CARCINOMA APPEARS TO BE IN			
Note: TREATED AREA OF SKIN ACCORDING TO DRAWING			
Note: C O DEATH: SQUAM CELL CARCINOMA AND CARDIOMYOPATHY			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-1]			
Stomach			
Note: NO CORRESP LESION FOR STOMACH NODULE NOTED AT NECROPSY			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204 TRT#: 7 SEX: Male DAY ON TEST: 477
DOSE: 100 MG/ ML DISP: Dead HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Lung		Hemorrhage	Focal, Minimal
Note: LUNG HEMORRHAGE WAS PROBABLY AGONAL			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 536
DOSE: 100 MG/ ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
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	Liver
Lung	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Lymph Node - Mandibular	Mammary Gland	Pituitary Gland
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INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: SQUAM CEL CARC TGLs = 1-7

Note: TREATED SKIN (SLIDE # 4) SUBMITTED PRIMARILY

Note: NECROTIZING INFLAMMATION WAS IN SECTION OF

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Spleen		Hematopoietic Cell Proliferation	Marked
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Note: HEMA CELL PROL TGLs = 2-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 315

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Lymph Node - Mandibular	Nose	Pancreas
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland	Thymus
Thyroid Gland			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Autolysis	Moderate
Note: AUTOLYSIS TGLs = 1-3			
Liver		Lymphoma Malignant Histiocytic	
Note: C O DEATH: LYMPHOMA HISTIOCYTIC [Lymphoma Malignant Histiocytic TGLS = 4-1]			
Lung		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 3-2]			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED Note: EVALUATION OF NONNEOPLASTIC LESIONS			
Urin Bladder			
Note: NO CORRESP LESION FOR URINATY BLADDER FLUID SEEN AT NECR			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 514

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Liver	Nose	Pancreas
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Liver			
Note: NO CORRESP LESION FOR LIVER NODULE NOTED AT NECROPSY			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-2			
Lymph Node	Deep Cervical, Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQAMOUS CELL CARCINOMA IN LYMPH NODE INCLUDED WITH			
Note: SECTION OF SCAPULAR SKIN (SLIDE #4) SUBMITTED			
Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Skin	Scapula	Acanthosis	Minimal
	Lymphatic	Dilatation	Marked
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: INGUINAL SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND			
Note: DILATED LYMPHATIC VESSELS NOTED IN SECTION OF			
Note: C O DEATH: SQUAMOUS CARCINOMA			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 514

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SQUAM CEL CARC TGLs = 1,2-7+8

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 499

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	

Note: TO BE OUTSIDE TREATED AREA

Note: INGUINAL SKIN (SLIDES # 2 & 7)

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: INFLAMMATION TGLs = 3-7

Note: SQUAM CEL CARC TGLs = 2-7

Spleen		Depletion Lymphoid	Moderate
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[Depletion Lymphoid TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Liver	Lymph Node - Mandibular	Nose	Pancreas
Prostate	Salivary Glands	Stomach - Forestomach	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Adrenal Gland - Medulla	Mammary Gland	Parathyroid Gland	Pituitary Gland
Thymus			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Heart	Myocardium	Inflammation	Chronic, Focal, Minimal
		Squamous Cell Carcinoma	Metastatic (Skin)
Islets, Pancreatic		Hyperplasia	Minimal
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-2			
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	
		Squamous Cell Carcinoma	Metastatic (Skin)

Note: IS IN THE DERMIS AT A SITE DISTANT FROM PRIMARY NEOPL
 Note: AND IS JUDGED TO BE A METASTATIC LESION BECAUSE IT
 Note: OF INGUINAL SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND
 Note: MASSES (SLIDE # 4) WAS SUBMITTED FOR EVALUATION
 Note: C O MORB: SQUAMOUS CELL CARCINOMA
 Note: SQUAM CEL CARC TGLs = 1-7
 Note: SQUAMOUS CELL CARCINOMA WAS PRESENT IN THE SECTION
 Note: NO SECTION OF TREATED SKIN SEPARATE FROM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 2-1		
Stomach	Glandular	Ulcer	Moderate
Note: ULCER	TGLs = 4-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Parathyroid Gland
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Testes

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Thymus

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Capsule
Capsule

Adenoma
Hyperplasia
Inflammation
Inflammation

Moderate
Subacute, Moderate
Chronic Active, Multifocal, Mild

Epididymis
Liver

Note: NO CORRESP LESION FOR LIVER MASS NOTED AT NECROPSY

Lung
Prostate

Squamous Cell Carcinoma
Inflammation
Acanthosis
Squamous Cell Carcinoma

Metastatic (Skin)
Chronic Active, Moderate
Mild

Skin

Scapula
Scapula

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: SQUAM CEL CARC TGLs = 1-7

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 515

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Minimal
Bone	Artery, Femur	Thrombosis	
Note: THROMBUS PRESENT IN ARTERY NEAR FEMORAL HEAD			
Bone Marrow	Femoral	Necrosis	Caseous, Marked
Brain		Mineralization	Multifocal, Minimal
Epididymis		Inflammation	Subacute, Marked
Harderian Gland		Inflammation	Subacute, Moderate
Kidney		Inflammation	Subacute, Multifocal, Mild
		Squamous Cell Carcinoma	Metastatic (Skin)
Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Multifocal, Mild
[Inflammation TGLS = 6-7]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 7-2			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
	Mediastinal	Infiltration Cellular	Polymorphnuclr, Mild
	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-6			
Mesentery		Inflammation	Subacute, Moderate
Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 7	SEX: Male	DAY ON TEST: 515
	DOSE: 100 MG/ ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands		Inflammation	Subacute, Multifocal, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM			
Note: SQUAM CEL CARC TGLs = 1,2,3-8+9+10			
Note: C O MORB: SQUAMOUS CELL CARCINOMA; HEPATOCELL CARC			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 493

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Lung		Hemorrhage	Focal, Minimal
Note: LUNG HEMORRHAGE PROBABLY AGONAL			
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
[Ectasia TGLS = 3-4]			
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: SCAPULAR SKIN (SLIDE #4) PRIMARILY SUBMITTED FOR			
Note: EVALUATION OF NONNEOPLASTIC LESIONS			
[Squamous Cell Carcinoma TGLS = 1-7]			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 493

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular

Hyperplasia

Minimal

Glandular

Ulcer

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213	TRT#: 7	SEX: Male	DAY ON TEST: 480
	DOSE: 100 MG/ ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Epididymis		Inflammation	Subacute, Mild
Liver		Inflammation	Chronic Active, Multifocal, Moderate
Skin	Scapula	Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Marked
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: ACANTHOSIS WAS PRESENT IN THE SECTION OF

Note: C O MORB: SQUAMOUS CARCINOMA

Spleen		Depletion Lymphoid	Mild
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 508

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Myocardium	Inflammation	Chronic, Focal, Minimal
Kidney		Basosquamous Tumor Malignant	Metastatic (Skin)
Liver		Basosquamous Tumor Malignant	Metastatic (Skin)
		Inflammation	Subacute, Diffuse, Moderate
		Necrosis	Coagulative, Multifocal, Minimal
Note: BASOSQU TM MAL TGLs = 3-1			
Lung		Basosquamous Tumor Malignant	Metastatic (Skin)
Note: BASOSQU TM MAL TGLs = 4-2			
Prostate		Inflammation	Chronic Active, Mild
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Mild
	Scapula	Acanthosis	Mild
	Scapula	Basosquamous Tumor Malignant	
	Back	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Mild

Note: OF SCAPULAR SKIN (SLIDE #4) SUBMITTED PRIMARILY
 Note: NECROTIZING INFLAMMATION PRESENT IN THE SECTION
 Note: C O MORB: BASOSUAMOUS TUMOR, MALIG

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 508

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

[Basosquamous Tumor Malignant TGLS = 1-7]

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Heart	Myocardium	Inflammation	Chronic, Focal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 4-2]			
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
		Inflammation	Acute, Mild
	Scapula	Squamous Cell Carcinoma	
		Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 2-7
 Note: SQUAMOUS CELL CARCINOMA OF AXILLARY REGION WAS
 Note: EVALUATION OF NONNEOPLASTIC LESIONS
 Note: SQUAM CEL CARC TGLs = 1-8
 Note: JUDGED TO BE OUTSIDE THE TREATED SITE (SLIDE 7)
 Note: MASSES (SLIDE #4) WAS SUBMITTED
 Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM
 Note: SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND SECTION
 Note: SUBACUTE INFLAMMATION PRESENT IN SUBCUTIS OF INGUNAL

Spleen Hematopoietic Cell Proliferation

Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Harderian Gland		Inflammation	Chronic, Focal, Mild
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 2,3,4,5-2]			
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 7-7			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Epididymis		Inflammation	Subacute, Mild
Harderian Gland		Inflammation	Subacute, Mild
Kidney		Basosquamous Tumor Malignant	Metastatic (Skin)
Liver		Basosquamous Tumor Malignant	Metastatic (Skin)
Lung		Basosquamous Tumor Malignant	Metastatic (Skin)
Note: BASOSQU TM MAL TGLs = 2-2			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Basosquamous Tumor Malignant	
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR			
Note: C O MORB: BASOSQUAMOUS TUMOR MALIG			
Note: BASOSQU TM MAL TGLs = 1-7			
Note: EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 516

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Inflammation	Subacute, Mild
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-6			
Skin	Scapula	Inflammation	Chronic, Minimal
		Squamous Cell Carcinoma	Multiple
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: CHRONIC INFLAMMATION PRESENT IN SECTION OF SKIN			
Note: MASSES (SLIDE # 4) WAS SUBMITTED			
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: (SLIDE #2) INCLUDED WITH MAMMARY GLAND			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 534

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Carcinoma	
		Thrombosis	
[Hepatocellular Carcinoma TGLS = 3-7]			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: MASSES (SLIDE # 4) WAS SUBMITTED			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: C O MORB: SQUAMOUS CELL CARCINOMA; HEPATOCELL CARCIN			
Note: SQUAM CEL CARC TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Liver			
Note: NO CORRESP LESION FOR LIVER PALLOR NOTED AT NECROPSY			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
Note: INFILTRAT CELL TGLs = 7-11			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2,3,4-7+8+9+10			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 5-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 376

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Intestine Small	Ileum	Mesothelioma Malignant	
	Ileum	Pheochromocytoma Complex	Metastatic (Uncertain Primary Site), Diffuse (Uncertain Primary Site)

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Islets, Pancreatic		Hyperplasia	Minimal
Skin	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: INFLAMMATION TGLs = 2,3,4-8+9+10

Note: OF TREATED SKIN (SLIDES 8,9&10) SUBMITTED

Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: NECROTIZING INFLAMMATION PRESENT IN SECTIONS

Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 5-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 523

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: INFLAMMATION TGLs = 2-7

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN (SLIDE # 7) SUBMITTED PRIMARILY FOR

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen		Hematopoietic Cell Proliferation	Moderate
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Note: HEMA CELL PROL TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 509

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Forestomach
Trachea

Bone
Harderian Gland
Intestine Small - Duodenum
Lung
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Testes

MISSING

Mammary Gland

Thymus

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Brain
Epididymis
Heart
Kidney
Liver

Myocardium

Mineralization
Inflammation
Inflammation
Inflammation
Inflammation
Necrosis

Multifocal, Minimal
Subacute, Moderate
Subacute, Focal, Minimal
Subacute, Multifocal, Moderate
Chronic Active, Multifocal, Marked
Coagulative, Multifocal, Minimal

Note: INFLAMMATION TGLs = 3,4,5,6-1+8+9

Prostate

Inflammation

Chronic Active, Moderate

Skin

Scapula

Acanthosis

Mild

Scapula

Hyperkeratosis

Minimal

Scapula

Squamous Cell Carcinoma

Note: SQUAM CEL CARC TGLs = 1-7

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: HYPERKERATOSIS WAS PRESENT IN SECTION OF

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 2-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 509

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 3-2]			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM MASSES			
Note: (SLIDE #4) WAS SUBMITTED			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-8			
Stomach	Forestomach	Acanthosis	Mild
Note: ACANTHOSIS TGLs = 4-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 458

DOSE: 100 MG/ ML

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Skin

Note: C O MORB: SQUAMOUS CELL CARCINOMA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 459

DOSE: 100 MG/ ML

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Skin

Note: C O MORB: SQUAMOUS CELL CARCINOMA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230	TRT#: 7	SEX: Male	DAY ON TEST: 449
	DOSE: 100 MG/ ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Mammary Gland	Nose	Pancreas
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Epididymis	Gallbladder	Harderian Gland	Lymph Node - Mandibular
Parathyroid Gland	Pituitary Gland	Thymus	Thyroid Gland

OBSERVATIONS

Skin	Back	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: (SLIDE #4) WAS TOO AUTOLYZED FOR HISTO EVALUATION
Note: SECTION OF TREATED SKIN SEPARATE FROM MASSES
Note: HYPERKERATOSIS PRESENT IN UNTREATED SKIN (SECTION #6)
Note: SQUAM CEL CARC TGLs = 1-7
Note: C O DEATH: SQUAMOUS CELL CARCINOMA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Liver		Necrosis	Coagulative, Focal, Minimal
Lymph Node	Axillary, Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-8			
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
		Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: NECROTIZING INFLAMMATION WAS PRESENT IN SECTION OF			
Note: NECROTIZING INFLAMMATION WAS PRESENT IN SECTION			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: INGUINAL SKIN (SECTION #2) SUMITTED WITH MAMM GLAND			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Epididymis		Inflammation	Subacute, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Spleen		Hematopoietic Cell Proliferation	Mild
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[Hematopoietic Cell Proliferation TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 204

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Skin		Acanthosis	Minimal
Stomach	Glandular	Ulcer	Minimal
Note: ULCER	TGLs = 1-12		
Testes			
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237	TRT#: 7	SEX: Male	DAY ON TEST: 204
	DOSE: 100 MG/ ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Skin		Acanthosis	Minimal
Testes			

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
		Thrombosis	
Note: HEMA CELL PROL TGLs = 5-9 [Hepatocellular Carcinoma TGLS = 3-8]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 4-2]			
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: HYPERKERATOSIS PRESENT IN TREATED SKIN SECTION Note: (SLIDE #4) SUMMITTED PRIMARILY FOR Note: EVALUATION OF NONNEOPLASTIC LESIONS Note: C O MORB: SQUAMOUS CELL CARCINOMA; HEPATOCELL ADENOMA [Squamous Cell Carcinoma TGLS = 1-7]			
Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 2	SEX: Female	DAY ON TEST: 729
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Intestine Small	Ileum	Lymphoma Malignant Mixed	
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Mixed	
		[Lymphoma Malignant Mixed TGLS = 3-2]	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Spleen		Lymphoma Malignant Mixed	
		[Lymphoma Malignant Mixed TGLS = 1-1]	
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 4-7			
Thymus		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Moribund	DAY ON TEST: 451 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary		Cyst	
Note: CYST TGLs = 1-6			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 729
DOSE: 0 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Mediastinum	Lymphoma Malignant Undifferentiated Cell Type	
Note: ALV BRON ADEN TGLs = 1-2			
Ovary		Atrophy	Marked
		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

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Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Medulla	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Degeneration	Cystic, Mild
Note: DEGEN TGLs = 2-1+7			
Ovary		Cyst	
Note: CYST TGLs = 1-6			
Thymus		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland		
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Blood Vessel	Aorta	Inflammation	Chronic Active, Mild
Liver		Cyst	
Ovary		Cyst	
Note: CYST TGLs = 2-6			
Note: ONE OVARY MISSING			
Skin		Hemangiosarcoma	
Note: TREATED AREA			
Note: HEMANGIOSARC TGLs = 3-7			
Note: HEMANGIOSARCOMA OF SKIN IS JUDGED TO BE OUTSIDE			
Spleen		Hemangiosarcoma	Metastatic (Uncertain Primary Site)
Note: HEMANGIOSARC TGLs = 1-1			
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER TGLs = 4-8			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Gallbladder		Inflammation	Chronic Active, Moderate
Kidney		Osteosarcoma	Metastatic (Uncertain Primary Site)
		Thrombosis	
[Osteosarcoma TGLS = 5-1]			
Liver		Hepatocellular Adenoma	
		Necrosis	Coagulative, Multifocal, Mild
Note: HEPATOCLR ADEN TGLs = 3-8			
Lung		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: OSTEOSARC TGLs = 1,2-2			
Mesentery		Inflammation	Chronic, Mild
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Pancreas	Acinus	Atrophy	Moderate
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Moderate
Skin	Scapula	Inflammation	Chronic, Minimal
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: CHRONIC INFLAMMATION PRESENT IN SECTION OF			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Osteosarcoma	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: OSTEOSARC TGLs = 4-7			
Note: C O MORB: OSTEOSARC, MULTIPLE ORGANS; PRIM SITE UNCERT			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Tissue NOS		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: TISSUE NOS HAS OSTEOSARCOMA; TISSUE APPEARS TO BE L NODE			
Note: PRIMARY SITE UNKNOWN			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Vinyl-1-cyclohexene diepoxide

CAS Number: 106-87-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:08:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7

TRT#: 2

DOSE: 0 MG/ML

SEX: Female

DISP: Dead

DAY ON TEST: 664

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
	Cortex	Hyperplasia	Nodular, Mild
	Capsule	Lymphoma Malignant Lymphocytic	
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum	Lymphoma Malignant Lymphocytic	
	Jejunum	Necrosis	Coagulative, Marked
Note: LYMPH MAL LYMP TGLs = 6-8			
Note: ADHESION OF JEJUNUM TO ABDOMINAL WALL PRESENT			
Note: C O DEATH: LYMPH MAL LYMPH AND JEJUNAL NECROSIS			
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hematopoietic Cell Proliferation	Minimal
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-4			
Note: LYMPH MAL LYMP TGLs = 2-2			
Mesentery		Lymphoma Malignant Lymphocytic	
Ovary		Atrophy	Marked
		Cyst	
		Lymphoma Malignant Lymphocytic	
Note: ONE OVARY MISSING			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Dead	DAY ON TEST: 664 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST	TGLs = 3-7			
Skeletal Muscle		Abdominal	Inflammation	Acute, Moderate
		Abdominal	Lymphoma Malignant Lymphocytic	
Spleen			Lymphoma Malignant Lymphocytic	
Urinary Bladder			Lymphoma Malignant Lymphocytic	
Uterus		Endometrium	Hyperplasia	Cystic, Minimal
			Lymphoma Malignant Lymphocytic	

Note: LYMPH MAL LYMP TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow		Mast Cell Tumor Nos	
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Inclusion Body Intracytoplasmic	Minimal
Note: EOSINOPHILIC CYTOPL INCLUSIONS PRESENT IN TUMOR CELLS ONLY			
Note: HEPATOCLR ADEN TGLs = 2,3-7+8			
Ovary	Bilateral	Cyst	
		Luteoma	
Skin		Acanthosis	Minimal
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1-1			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-7			
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 1-6			
Note: ONE OVARY MISSING			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 593
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Kidney		Inflammation	Necrotizing, Minimal
Mammary Gland	Inguinal	Inflammation	Chronic, Minimal
Mesentery		Necrosis	Moderate
Ovary			
Note: ONE OVARY HAS INSUFFICIENT TISSUE FOR HISTOPATH EXAM			
Pancreas		Inflammation	Chronic, Moderate
Note: HEMATOMA PRESENT IN PANCREAS			
Note: C O MORB: PANCREATIC INFLAMMATION			
Skin	Scapula, Subcut Tiss	Necrosis	Multifocal, Minimal
	Subcut Tiss	Necrosis	Multifocal, Moderate
Note: NECROSIS OF SUBCUTANEOUS FAT PRESENT IN			
Note: NECROSIS TGLs = 1-2+7			
Note: INGUINAL SKIN (SLIDE #2) SUMMITTED WITH MAMMARY			
Note: GLAND AND IN SKIN OF TREATED SITE (SLIDE #4)			
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach	Glandular	Adenoma	
	Forestomach	Squamous Cell Papilloma	
Note: INFLAMMATION TGLs = 3-8			
Note: ADENOMA TGLs = 3-8			
Note: PAPILOMA SQUA TGLs = 2-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 593
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Hyperplasia	Cystic, Moderate
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Ovary	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Mammary Gland	Inguinal	Hyperplasia	Cystic, Marked
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Marked
Note: ECTASIA	TGLs = 1-7		
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Acanthosis	Minimal
		Edema	Marked
	Scapula	Inflammation	Chronic, Minimal
Note: ACANTHOSIS AND CHRONIC INFLAMMATION PRESENT IN SECTION			
Note: (SLIDE #2) INCLUDED WITH MAMMARY GLAND			
Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED			
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER	TGLs = 2-8		
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Angiectasis	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hemangioma	
		Lymphoma Malignant Mixed	
[Hemangioma TGLS = 1-1]			
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER TGLs = 2-7			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung			
Note: C O DEATH: DROWNED			
Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1-7			
Ovary			
Note: NO CORRESP LESION FOR RT OVARY ENLARG NOTED AT NECR			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Heart		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Mammary Gland	Inguinal	Hyperplasia	Cystic, Moderate
	Inguinal	Lymphoma Malignant Mixed	
Ovary	Bilateral	Hyperplasia	Tubular, Moderate
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-1			
Note: C O MORB: LYMPHOMA MALG MIXED AND PITUIT ADENOMA			
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 719
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow		Hemangioma	
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Infiltration Cellular	Histiocyte, Moderate
Mesentery		Hemangioma	
Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Moderate
Note: ONE OVARY MISSING			
Skin			
Note: SOFT, IRREGULAR SKIN LESION OF SKIN OF HEAD			
Note: NO CORRESP LESION FOR GROSS OBSERVATION OF PALE,			
Spleen		Hemangioma	
		Lymphoma Malignant Mixed	
Note: C O MORB: LYMPHOSARCOMA MAL MIXED			
Note: HEMANGIOMA TGLs = 1-1			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 719
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 704
DOSE: 0 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain	Hypothalamus	Compression	Marked
Ovary			
Note: ONE OVARY HAS INSUFFICIENT TISSUE FOR HISTOPATH EXAM			
Pituitary Gland	Pars Distalis	Adenoma	
Note: C O MORB: PITUIT ADENOMA			
Note: ADENOMA TGLs = 1-3+4			
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS TGLs = 2-8			
Note: ACANTHOSIS TGLs = 2-8			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 2	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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 - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Femoral	Myelofibrosis	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Ovary		Cyst	
Note: ONE OVARY MISSING			
Note: CYST TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 2	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 2	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
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	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 2	SEX: Female	DAY ON TEST: 500
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary		Cyst	
Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 1-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Dead

DAY ON TEST: 721
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Islets, Pancreatic	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Erythrophagocytosis	Moderate
Note: ERYTHROPHAGOCY TGLs = 4-1			
Lung		Hemorrhage	Multifocal, Minimal
	Mediastinum	Lymphoma Malignant Undifferentiated Cell Type	
Note: HEMORRHAGE TGLs = 3-2			
Mesentery		Inflammation	Subacute, Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Note: C O DEATH: LYMPHOMA MAL UNDIFF			
Note: INFLAMMATION CODED AS MESENTERIC IS LOCATED IN			
Note: THE PERITONEUM (SLIDE #4)			
[Lymphoma Malignant Undifferentiated Cell Type TGLS = 2-4+7]			
Ovary		Lymphoma Malignant Mixed	
Note: ONE OVARY MISSING			
Pancreas	Acinus	Atrophy	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Dead	DAY ON TEST: 721 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Scapula	Acanthosis	Mild
Back	Inflammation	Necrotizing, Moderate
Scapula	Parasite Metazoan	
	Parasite Metazoan	
	Parasite Metazoan	

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Stomach	Glandular	Ulcer	Moderate
Note: ULCER	TGLs = 5-8		
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-6]			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Dead

DAY ON TEST: 697
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain			
Note: BRAIN BADLY DAMAGED AT NECROPSY			
Kidney		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-1			
Note: C O DEATH: LYMPHOMA MALIG LYMPHOCYTIC			
Liver		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-5			
Ovary		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-1			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Moderate
Islets, Pancreatic		Hyperplasia	Moderate
Liver		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Minimal
		Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Minimal
Stomach	Forestomach	Ulcer	Mild
Note: ULCER TGLs = 2-7			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 719
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Kidney			
Note: C O DEATH: RENAL INFLAMMATION (PYELONEPHRITIS)			
Liver			
Note: NO CORRES LESION FOR FLAT LIVER NODULE NOTED AT NECROPSY			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Interstitium	Inflammation	Chronic, Mild
Note: ALV BRON CARC TGLs = 2-2			
Ovary			
Note: ONE OVARY MISSING			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Mammary Gland	Inguinal	Hyperplasia	Cystic, Minimal
Ovary		Cyst	
Note: CYST	TGLs = 1-6		
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Moderate
Skin		Acanthosis	Minimal
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 451
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary		Cyst	
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hemangioma	
		Inflammation	Necrotizing, Minimal

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION

Note: (SLIDE #2) INCLUDED WITH MAMMARY GLAND

Note: HEMANGIOMA PRESENT IN SECTION OF INGUINAL SKIN

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 2-7		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-6		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Medulla	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Note: NO CORRESP LESION SEEN FOR MEDIAN LOBE NODULE AT NECROPS			
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 1-6			
Skin	Scapula	Parasite Metazoan	
Note: METAZOAN PARASITE PRESENT IN SECTION OF			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Thyroid Gland	Follicle	Cyst	
	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
Note: HEPATOCLR ADEN TGLs = 6-8			
Note: LYMPH MAL MIXD TGLs = 5-9			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-7			
Ovary		Cystadenoma	
		Lymphoma Malignant Mixed	
Note: CYSTADENOMA TGLs = 4-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-1			
Stomach	Forestomach	Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 7-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Cyst	
Note: CYST TGLs = 1-6			
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS TGLs = 2-7			
Note: ACANTHOSIS TGLs = 2-7			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 2	SEX: Female	DAY ON TEST: 534
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Lymphoma Malignant Mixed	
Ovary		Cyst	
Spleen		Lymphoma Malignant Mixed	
Uterus		Inflammation	Chronic Active, Moderate

Note: INFLAMMATION TGLs = 1-6
Note: C O DEATH: UTERINE INFLAMMATION; MALIGN LYMPHOMA, MIXED

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 2	SEX: Female	DAY ON TEST: 64
	DOSE: 0 MG/ML	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Hemorrhage	Multifocal, Minimal
Note: C O DEATH: ACCIDENTAL			
Lung		Hemorrhage	Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 2	SEX: Female	DAY ON TEST: 593
	DOSE: 0 MG/ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Duodenum	Intestine Small - Ileum	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Note: CYST TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary		Atrophy	Marked
		Cyst	
Note: CYST	TGLs = 1-6		
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Moderate
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Ulcer	Mild
Note: ULCER TGLs = 1-7			
Note: ACANTHOSIS TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 675
DOSE: 0 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain	Hypothalamus	Compression	Marked
Liver		Hepatocellular Adenoma	
		Inclusion Body Intracytoplasmic	Minimal
Note: EOSINPHILIC CYTOPL INCLUSIONS IN TUMOR CELLS ONLY			
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: C O MORB: PITUIT ADENOMA			
Note: ADENOMA TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 2	SEX: Female	DAY ON TEST: 675
	DOSE: 0 MG/ML	DISP: Accidentally Killed	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Liver			
Note: NO CORRESP LESION FOR LIVER DISCOLOR NOTED AT NECROPSY			
Ovary			
Note: OVARY AT NECROPSY			
Note: NO CORRESP LESION FOR MOTTLED COLOR OF RIGHT			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary		Atrophy	Marked
	Bilateral	Cyst	
Note: CYST	TGLs = 1,2-6+7		
Pituitary Gland	Pars Intermed	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Fibrosis	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 2 DOSE: 0 MG/ML	SEX: Female DISP: Drowned	DAY ON TEST: 437 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Congestion	Diffuse, Moderate
Note: C O DEATH: DROWNED			
Stomach			
Note: AUTOLYSIS RATHER THAN A LESION OF DISEASE			
Note: ALTERATION OF GLANDULAR STOMACH THOUGHT TO BE			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Esophagus	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	Liver	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Medulla	Hyperplasia	Nodular, Minimal
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Stomach	Forestomach	Squamous Cell Papilloma	
	Forestomach	Ulcer	Minimal
Note: ULCER TGLs = 2-8			
Note: PAPHILLOMA SQUA TGLs = 2-8			
Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Degeneration	Cystic, Mild
	Serosa	Fibrosis	Focal, Minimal
		Hepatocellular Adenoma	
Note: FIBROSIS TGLs = 3-1 Note: HEPATOCLR ADEN TGLs = 2-7			
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
Note: ADENOMA	TGLs = 1-6		
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 698
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Intestine Small - Ileum	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Colon	Amyloid Deposition	Marked
Intestine Small	Jejunum	Amyloid Deposition	Mild
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Multifocal, Mild
Note: C O MORB: HEPATOCELLULAR CARCINOMA			
[Hepatocellular Carcinoma TGLS = 2-6]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 1-2]			
Lymph Node	Mesenteric	Amyloid Deposition	Moderate
	Mesenteric, Sinus	Ectasia	Moderate
Note: ECTASIA TGLs = 3-5			
Ovary		Atrophy	Marked
		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 2	SEX: Female	DAY ON TEST: 392
	DOSE: 0 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Gallbladder
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Heart	Valve	Bacterium	
	Valve	Inflammation	Subacute, Marked
	Valve	Thrombosis	
Note: C O DEATH: CARDIAC INFLAMMATION (VEGETATIVE ENDOCARDITIS			
Lung		Hemorrhage	Multifocal, Moderate
Ovary		Cyst	
Pancreas			
Note: AND NOT A LESION			
Note: PANCREATIC ALTERATION JUDGED TO BE AUTOLYSIS			
Spleen			
Note: NO CORRESPONDING LESION FOR SPLEEN ENLARGEMENT			
Note: SEEN AT NECROPSY			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 2
DOSE: 0 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
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	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Brain	Hypothalamus	Compression	Moderate
		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Erosion	Moderate
Note: ACANTHOSIS	TGLs = 1-7		
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 2	SEX: Female	DAY ON TEST: 569
	DOSE: 0 MG/ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
Note: C O MORB: HEPATOCELLULAR CARCINOMA			
Note: HEPATOCLR CARC TGLs = 2-7			
Lung		Congestion	Diffuse, Mild
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: 0 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Brain		Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50 TRT#: 2 SEX: Female DAY ON TEST: 709
DOSE: 0 MG/ML DISP: Dead HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Clitoral Gland	Duct	Dilatation	Mild
Note: DILATATION TGLs = 2-7			
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
Ovary	Bilateral	Cyst	
Skin		Edema	Moderate
Note: EDEMA PRESENT IN THE PERIANAL SKIN (SLIDE #7) INCLUDED			
Note: WITH CLITORAL GLAND; NOT JUDGED TO BE IN TREATED AREA			
Spleen		Depletion Lymphoid	Moderate
Stomach	Glandular	Ulcer	Mild
Note: ULCER TGLs = 3-8			
Uterus	Endometrium	Hemangioma	
		Hyperplasia	Cystic, Moderate
Note: C O DEATH: UTERINE HEMANGIOMA;STOMACH ULCER			
Note: HEMANGIOMA TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 6

SEX: Female

DAY ON TEST: 402

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND

Note: INFLAMMATION TGLs = 2-4

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION

[Squamous Cell Carcinoma TGLS = 1-7]

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 3-1]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 5-9			
Ovary		Granulosa Cell Tumor Benign	
		Hyperplasia	Tubular, Mild
Note: GRANLSA TM BGN TGLs = 4-6		Mixed Tumor Benign	
Pancreas		Inflammation	Chronic, Moderate
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION			
Note: SQUAM CEL CARC TGLs = 2,3-7+8			
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Spleen		Hematopoietic Cell Proliferation	Minimal
Note: HEMA CELL PROL TGLs = 1-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland		Cyst	
Urinary Bladder	Wall	Inflammation	Chronic, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Minimal
	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-2+10			
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-8			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-8			
Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Moderate
	Bilateral	Mixed Tumor Benign	
Pancreas	Acinus	Atrophy	Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: IN SKIN OF L AXILLA(SLIDE #8); JUDGED NOT IN TREATED AREA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAMOUS CELL CARCINOMA AND MAMM GL ADENOMA PRESENT

Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS

Note: SQUAM CEL CARC TGLs = 1-7

Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF TAIL (SL #9)

Note: INFLAMMATION TGLs = 3-9

Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SL #4)

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 5-1]

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 6

SEX: Female

DAY ON TEST: 600

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Uterus	

MISSING

Thymus	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Heart	Myocardium	Inflammation	Chronic, Multifocal, Minimal
Liver		Hepatocellular Adenoma	
		Necrosis	Caseous, Multifocal, Mild
	[Hepatocellular Adenoma TGLS = 5-10]		
Lung		Hemorrhage	Multifocal, Mild
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	

Note: C O MORB: SQUAMOUS CELL CARCINOMA
 Note: OF TREATED SKIN (SLIDE #9) SUBMITTED PRIMARILY
 Note: C O MORB: SQUAMOUS CELL CARCINOMA
 Note: NECROTIZING INFLAMMATION PRESENT IN SECTION
 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
 Note: SQUAM CEL CARC TGLs = 1,2-7+8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 6

SEX: Female

DAY ON TEST: 600

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

[Inflammation TGLS = 3-9]

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Basosquamous Tumor Malignant	Metastatic (Skin)
[Basosquamous Tumor Malignant TGLS = 5,7-2+11+12]			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Moderate
		Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Back	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1-7,2,3,6-8+9+10			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: CO DEATH: SQUAMOUS CELL CARCINOMA			
Note: HYPERKERATOSIS PRESENT IN SECTION OF INGUINAL			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 4-1]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Marked
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Minimal
Note: ONE OVARY MISSING			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
		Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1,3-7+9

Note: NECROTIZING INFLAMMATION PRESENT IN INGUINAL SKIN

Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: ACANTHOSIS PRESENT IN TREATED SKIN (SLIDE #4) SUBMITTED

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SKIN OF RIGHT

Note: (SLIDE #2) ATTACHED TO MAMMARY GLAND TISSUE

Note: NO SECTION OF TREATED SKIN SEPARATE FROM

Note: SQUAM CEL CARC TGLs = 2-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: AXILLA (SLIDE #8) AND JUDGED TO BE OUTSIDE TREATED AREA

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 4-10

Thyroid Gland

Follicular Cel

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder	Harderian Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Marked
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Minimal
Note: ONE OVARY MISSING			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple

Note: (SLIDE #2) ATTACHED TO MAMMARY GLAND
 Note: PRESENT IN SECTION OF TREATED SKIN (SLIDES # 8&9,
 Note: NECROTIZING INFLAMMATION AND CHRONIC ACTIVE INFLAMMATION
 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
 Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION
 Note: F TREATED SKIN (SLIDE #9) SUBMITTED PRIMARILY
 Note: SQUAM CEL CARC TGLs = 1,2,4,5-7+8+10+11
 Note: ACANTHOSIS PRESENT IN SECTION OF INGUINAL SKIN
 [Acanthosis TGLS = 3-4+9]
 [Hyperkeratosis TGLS = 3-9]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicle

Hyperplasia

Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Ovary

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal
	Back	Hyperkeratosis	Minimal
	Scapula	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN THE INGUINAL

Note: SKIN (SLIDE #2) ATTACHED TO THE MAMMARY GLAND

Note: HYPERKERATOSIS AND ACANTHOSIS IN SKIN OF BACK (SLIDE #6)

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN TREATED

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: EVALUATION OF NONNEOPLASTIC LESIONS

[Acanthosis TGLS = 1,2-7+8]

Uterus	Endometrium	Hyperplasia	Cystic, Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 6

SEX: Female

DAY ON TEST: 684

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Parathyroid Gland
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain	Hypothalamus	Compression	Marked
		Mineralization	Multifocal, Minimal
Gallbladder		Lymphoma Malignant Histiocytic	
Harderian Gland		Inflammation	Subacute, Mild
Kidney		Lymphoma Malignant Histiocytic	
Liver		Lymphoma Malignant Histiocytic	
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Lumbar	Lymphoma Malignant Histiocytic	
	Mandibular	Lymphoma Malignant Histiocytic	
	Mediastinal	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
	Pancreatic	Lymphoma Malignant Histiocytic	
	Renal	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 8-9		
Note: LYMPH MAL HIST	TGLs = 6-7		
Note: LYMPH MAL HIST	TGLs = 2-3+6		
Note: LYMPH MAL HIST	TGLs = 7-8		
Note: LYMPH MAL HIST	TGLs = 5-10		
Note: LYMPH MAL HIST	TGLs = 3-2		
Mesentery		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129	TRT#: 6 DOSE: 50 MG/ML	SEX: Female DISP: Dead	DAY ON TEST: 684 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Bilateral	Atrophy Cyst	Marked
Pancreas	Bilateral	Hyperplasia Lymphoma Malignant Histiocytic	Tubular, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Note: C O DEATH: PITUIT ADENOM AND LYMPHOMA MAL HISTIOCYTIC			
Salivary Glands		Lymphoma Malignant Histiocytic	
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 4-11]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Mineralization	Multifocal, Minimal
Heart	Coron Artery	Inflammation	Chronic, Minimal
	Myocardium	Inflammation	Chronic, Multifocal, Minimal
Liver		Inflammation	Chronic Active, Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Note: INFILTRAT CELL TGLs = 9-4			
Note: PRIMARY SITE UNKNOWN			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Moderate
Note: CYST TGLs = 8-6			
Skeletal Muscle	Intercostal	Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 10-13]			
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Moderate
		Inflammation	Necrotizing, Moderate
	Back	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Squamous Cell Carcinoma

Note: SQUAM CEL CARC TGLs = 1,2,4-7+10+12
Note: SKIN (SLIDE #11) AND JUDGED TO BE OUTSIDE TREATED AREA
Note: SQUAMOUS CELL CARCINOMA PRESENT IN THE AXILLARY
Note: SQUAM CEL CARC TGLs = 3-11
Note: OF SKIN FROM TREATED AND UNTREATED SITES
Note: MALIGNANT LYMPHOMA, LYMPHOCYTIC, PRESENT IN SECTIONS
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
Note: TREATED SITE (SLIDE #4) SUBMITTED PRIMARILY
Note: INFLAMMATION TGLs = 6-9
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION
Note: OF TREATED SKIN (SLIDE #9) SUBMITTED PRIMARILY
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
Note: INFLAMMATION TGLs = 11-14
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF
Note: AND INGUINAL SKIN INCLUDED WITH MAMM GL (SLIDE #S 2,4&6)
Note: SQUAM CEL CARC TGLs = 5-8
Note: SKIN OF TAIL (SLIDE #14) AND JUDGED OUTSIDE TREATED AREA
Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 7-1]

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 8-4		
Note: LYMPH MAL MIXD	TGLs = 6-2		
Note: LYMPH MAL MIXD	TGLs = 7-1		
Ovary		Atrophy	Marked
		Cyst	
		Lymphoma Malignant Mixed	
		Mixed Tumor Benign	
Note: MIXD TUMOR BGN	TGLs = 9-6		
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
	Scapula, Subcut Tiss	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 50 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1,3-7+9

Note: INFLAMMATION TGLs = 2,4-8+10

Note: KIN (SLIDE #4) PRIMARILY SUBMITTED FOR

Spleen Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 5-1

Stomach Glandular Lymphoma Malignant Mixed

Uterus Endometrium Hyperplasia Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Bone

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 2-8			
Liver		Hematopoietic Cell Proliferation	Minimal
Lung		Granulosa Cell Tumor Malignant	Metastatic (Ovary)
Lymph Node	Mediastinal	Infiltration Cellular	Mononuclear Cl, Mild
	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: INFILTRAT CELL TGLs = 7-2 [Infiltration Cellular TGLS = 3-6]			
Mammary Gland	Inguinal	Hyperplasia	Cystic, Moderate
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 6-6		Granulosa Cell Tumor Malignant	
Note: GRANLSA TM MAL TGLs = 5-9			
Skin	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAM CELL CARC AND GRANULOSA C TUMOR MALIG			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: SQUAM CEL CARC TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MASS (SLIDE #4) WAS SUBMITTED

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 4-1]

Urin Bladder

Note: NO CORRESP LESION FOR OBS OF ENLARGED UR BLAD AT NECR

Uterus

Endometrium

Hyperplasia

Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Note: CYST TGLs = 4-6			
Pancreas	Acinus	Atrophy	Minimal
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Minimal
	Back	Hyperkeratosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Back	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	
		Squamous Cell Carcinoma	

Note: HYPERKERATOSIS AND ACANTHOSIS IN SKIN OF BACK (SLIDE #6)

Note: SQUAMOUS CELL CARCINOMA PRESENT IN ABDOMINAL SKIN

Note: (SLIDE #9) AND JUDGED TO BE OUTSIDE THE TREATED AREA

Note: SQUAM CEL CARC TGLs = 1-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 3-9

Note: SQUAM CEL CARC TGLs = 2-7

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 6

SEX: Female

DAY ON TEST: 3

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Skin
Thyroid Gland

Bone
Gallbladder
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Stomach - Forestomach
Trachea

Bone Marrow
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Spleen
Uterus

Capsule

Hyperplasia
Depletion Lymphoid

Minimal
Moderate

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
		Inclusion Body Intracytoplasmic	Minimal
Note: EOSINOPHILIC INTRACYTOPL INCLUSIONS IN TUMOR CELLS ONLY [Hepatocellular Adenoma TGLS = 5-1]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-2]			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2-7+8 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: TREATED SKIN (SLIDES #4&9) SUBMITTED PRIMARILY Note: NECROTIZING INFLAMMATION PRESENT IN SECTIONS OF Note: INFLAMMATION TGLs = 3-4+9			
Spleen		Hematopoietic Cell Proliferation	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136	TRT#: 6	SEX: Female	DAY ON TEST: 572
	DOSE: 50 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION
Note: AND JUDGED TO BE OUTSIDE THE TREATED SITE
Note: EDEMA PRESENT IN RT AXILLARY SKIN (SLIDE #7)
Note: EDEMA TGLs = 1-7
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Uterus

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137 TRT#: 6 SEX: Female DAY ON TEST: 730
DOSE: 50 MG/ML DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Inflammation	Chronic Active, Multifocal, Minimal
Ovary		Atrophy	Marked
	Bilateral	Cyst	
		Granulosa Cell Tumor Benign	
		Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC	TGLs = 1,2-7+8		
Spleen			
Note: NO CORRESP LESION FOR SPLENIC ENLARG NOTED AT NECROPSY			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain	Hypothalamus	Compression	Marked
Harderian Gland		Inflammation	Subacute, Mild
Liver		Inflammation	Chronic Active, Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mediastinal	Infiltration Cellular	Polymorphnuclr, Minimal
	Pancreatic	Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 4-4			
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary		Granulosa Cell Tumor Benign	
Note: ONE OVARY MISSING			
Note: GRANLSA TM BGN TGLs = 3-6			
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 2-6			
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
		Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Mild
	Subcut Tiss	Inflammation	Chronic Active, Mild
	Scapula	Squamous Cell Carcinoma	

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
 Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: OF INGUINAL SKIN (SLIDE #2) ADJACENT TO MAMMARY GLAND

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: C O MORB: SQUAMOUS CELL CARC AND PITUITARY CARC

Note: SQUAM CEL CARC TGLs = 1-7

Uterus

Endometrium

Hyperplasia

Cystic, Marked

Note: HYPERPLASIA TGLs = 5-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland	Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Bone		Osteosarcoma	
	Humerus	Proliferation	Marked
Note: SITE OF OSTEOSARCOMA IS FORELEG			
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
		Hyperplasia	Tubular, Moderate
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Back	Inflammation	Necrotizing, Moderate
	Back	Osteosarcoma	Metastatic (Uncertain Primary Site)
	Back	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	Multiple

Note: PRIMARY SITE FOR OSTEOSARC UNKNOWN

Note: SQUAM CEL CARC TGLs = 2-7

Note: SQUAMOUS CELL CARCINOMA IN SKIN OF BACK (SLIDE #6)

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: OSTEOSARC TGLs = 1-9

[Inflammation TGLS = 3-8]

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 6

SEX: Female

DAY ON TEST: 495

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Islets, Pancreatic Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Gallbladder		Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Lung		Alveolar/Bronchiolar Adenoma	
		Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 3-4			
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Moderate
Note: ONE OVARY MISSING			
Skeletal Muscle	Back	Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 4-9			
Skin	Back	Fibrous Histiocytoma	
	Scapula	Fibrous Histiocytoma	
		Hyperkeratosis	Minimal
Note: INGUINAL SKIN ATTACHED TO MAMMARY GLAND (SLIDE #2)			
Note: HYPERKERATOSIS PRESENT IN SECTION OF			
Note: FIB HISTIOCYT TGLs = 2-8			
Note: FIB HISTIOCYT TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 6

SEX: Female

DAY ON TEST: 495

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C O MORB: MAL FIBROUS HISTIOCYTOMA

Note: MASSES (SLIDE #4) WAS SUBMITTED

Note: NO SECTION OF TREATED SKIN SEPARATE FROM

Spleen

Capsule

Fibrous Histiocytoma

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141 TRT#: 6 SEX: Female DAY ON TEST: 464
DOSE: 50 MG/ML DISP: Dead HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Harderian Gland		Adenoma	
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Back	Hyperkeratosis	Minimal
	Scapula	Hyperkeratosis	Minimal

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: HYPERKERATOSIS PRESENT IN SKIN OF BACK (SLIDE #6)

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED

Spleen		Depletion Lymphoid	Moderate
	[Depletion Lymphoid TGLS = 1-1]		

Uterus

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 6	SEX: Female	DAY ON TEST: 45
	DOSE: 50 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Intestine Large - Cecum	Mammary Gland
-------------------------	---------------

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Lung		Congestion	Diffuse, Mild
		Hemorrhage	Focal, Minimal
Spleen		Depletion Lymphoid	Mild
Uterus			

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 6

SEX: Female

DAY ON TEST: 584

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hemangioma	
		Necrosis	Coagulative, Multifocal, Mild
		Thrombosis	
[Necrosis TGLS = 3-1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 6

SEX: Female

DAY ON TEST: 584

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Vein	Thrombosis	
Liver	Centrilobular, Sinusoid	Dilatation	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Adenocarcinoma	Metastatic (Mammary Gland)
		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Multifocal, Minimal
Note: ADENOCARC TGLs = 5-2			
Note: ALV BRON ADEN TGLs = 5-2			
Lymph Node	Axillary	Adenocarcinoma	Metastatic (Mammary Gland)
Note: ADENOCARC TGLs = 2-7			
Mammary Gland		Adenocarcinoma	
Note: C O MORB: ADENOCARCINOMA			
Note: ADENOCARC TGLs = 1-8			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
Note: CYST TGLs = 4-6			
Skin			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MASSES (SLIDE #4) WAS SUBMITTED

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 3-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Minimal
Heart	Myocardium	Inflammation	Subacute, Focal, Mild
	Valve	Thrombosis	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 10-1			
Liver		Amyloid Deposition	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Multifocal, Minimal
		Necrosis	Coagulative, Multifocal, Mild
[Necrosis TGLS = 8-1+14]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-11			
Note: LYMPH MAL MIXD TGLs = 4-3+6			
Note: LYMPH MAL MIXD TGLs = 7-10			
Note: LYMPH MAL MIXD TGLs = 9-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 704
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Bilateral	Atrophy Cyst	Moderate
	Bilateral	Hyperplasia	Tubular, Moderate
	Bilateral	Lymphoma Malignant Mixed	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Mild
	Back	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF BACK (SLIDE 6) Note: C O MORB: SQUAMOUS CELL CARCINOMA; LYMPHOMA MALIGNANT Note: INFLAMMATION TGLs = 3-9 Note: SQUAM CEL CARC TGLs = 1,2-7+8 Note: MIXED; ADRENAL CAPSULE CARCINOMA; VEGETATIVE ENDOCARD			
Spleen		Amyloid Deposition Hematopoietic Cell Proliferation	Mild Moderate
Note: HEMA CELL PROL TGLs = 5-13			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 6

SEX: Female

DAY ON TEST: 569

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Bilateral, Capsule	Hyperplasia	Mild
Gallbladder		Lymphoma Malignant Histiocytic	
Kidney		Lymphoma Malignant Histiocytic	
	[Lymphoma Malignant Histiocytic TGLS = 4-1]		
Liver		Lymphoma Malignant Histiocytic	
	[Lymphoma Malignant Histiocytic TGLS = 3-1+10]		
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Lumbar	Lymphoma Malignant Histiocytic	
	Mandibular	Lymphoma Malignant Histiocytic	
	Mediastinal	Lymphoma Malignant Histiocytic	
	Pancreatic	Lymphoma Malignant Histiocytic	
	Renal	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 5-4+9		
Note: LYMPH MAL HIST	TGLs = 6-8		
Note: LYMPH MAL HIST	TGLs = 7-7		
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Lymphoma Malignant Histiocytic	
Note: CYST	TGLs = 2-6		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 6

SEX: Female

DAY ON TEST: 569

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Chronic, Mild

Note: INFLAMMATION TGLs = 8-11

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: CHRONIC INFLAMMATION PRESENT IN SKIN OF TAIL

Note: OF TREATDE SKIN (SLIDE #4) SUBMITTED PRIMARILY

Spleen

Lymphoma Malignant Histiocytic

Note: LYMPH MAL HIST TGLs = 1-9

Note: C O DEATH: LYMPHOMA MALIGN HISTIOCYTIC

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Marked
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Liver		Hepatocellular Adenoma	
		Inclusion Body Intracytoplasmic	Moderate
Note: EOSINOPHILIC CYTOPL INCL BOD IN TUMOR CELLS ONLY [Hepatocellular Adenoma TGLS = 2-1+8]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF Note: SQUAM CEL CARC TGLs = 1-4+7 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARLIY			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Multifocal, Mild
		Thrombosis	
Note: HEPATOCLR CARC TGLs = 5-1+10			
Lymph Node	Mandibular	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 3-6			
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Moderate
Pancreas		Ectopic Tissue	
Note: ECTOPIC TISSUE IS SPLEEN			
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
		Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Note: C O MORB: SQUAM CELL CARC; HEPATOCELL CARC			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4-9			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 6
DOSE: 50 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 648
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Hyperplasia	Cystic, Mild
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lung			
Note: NO CORRESP LESION FOR LUNG NODULE NOTED AT NECROPSY			
Lymph Node	Axillary	Squamous Cell Carcinoma	Metastatic (Skin)
	[Squamous Cell Carcinoma TGLS = 3-9]		
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: (SLIDE #4) WAS SUBMITTED WITH THIS MOUSE			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM MASSES			
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 730
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Marked
	Cortex	Leukemia Granulocytic	
Note: 1991 CONVERSION DICREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 3-1]			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4,5-2			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
		Hyperplasia	Tubular, Moderate
		Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Minimal
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: LIMB (SLIDE #8) AND JUDGED TO BE OUTSIDE TREATED AREA			
Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF L HIND			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: INFLAMMATION TGLs = 6-8			
Note: MASS (SLIDE #4) WAS SUBMITTED			
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-1]

Thymus

Ectopic Thyroid

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Kidney		Amyloid Deposition	Mild
	Renal Tubule	Bacterium	
		Inflammation	Necrotizing, Marked
[Inflammation TGLs = 5-1+9]			
Liver		Hepatocellular Carcinoma	
Note: C O DEATH: PYELONEPHRITIS; SQUAM CELL CARC; HEPATOCELL CAR			
Note: HEPATOCLR CARC TGLs = 4-10			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Ovary		Infiltration Cellular	Lymphocyte, Marked
		Thrombosis	
Note: INFILTRAT CELL TGLs = 6-6			
Note: THROMBUS TGLs = 7-6			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
		Inflammation	Chronic, Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: HYPERKERATOSIS AND CHRONIC INFLAMMATION PRESENT IN			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151	TRT#: 6	SEX: Female	DAY ON TEST: 724
	DOSE: 50 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SECTION OF INGUINAL SKIN (SLIDE #2) ATTACHED TO MAMM GL

Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SQUAM CEL CARC TGLs = 1,2-7+8

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY

Spleen		Hematopoietic Cell Proliferation	Moderate
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Note: HEMA CELL PROL TGLs = 3-1

Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 6

SEX: Female

DAY ON TEST: 594

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hemangiosarcoma	
		Thrombosis	
Note: HEMANGIOSARC TGLs = 5,6,7-1			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
		Mixed Tumor Benign	
Note: CYST TGLs = 4-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: C O DEATH: SQUAM CELL CARC AND HEPATIC HEMANGIOMA			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 6

SEX: Female

DAY ON TEST: 594

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Inflammation	Subacute, Minimal
Harderian Gland		Adenoma	
Liver		Inflammation	Chronic Active, Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 6-9			
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-6			
Ovary		Atrophy	Marked
		Cyst	
		Granulosa Cell Tumor Malignant	
		Hyperplasia	Tubular, Mild
Note: C O MORB: SQUAMOUS CELL CARC AND GRANULOSA CELL T, OVARY [Granulosa Cell Tumor Malignant TGLS = 5-6]			
Salivary Glands		Inflammation	Subacute, Multifocal, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE 4)			
Note: SKIN (SLIDE #2) INCLUDED WITH MAMMARY GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153	TRT#: 6 DOSE: 50 MG/ML	SEX: Female DISP: Moribund	DAY ON TEST: 726 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: NECROTIZING INFLAMMATION PRESENT IN INGUINAL
[Hyperkeratosis TGLS = 1,2-7+8]

Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-1			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 6

SEX: Female

DAY ON TEST: 4

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

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

Liver

Lung

Mammary Gland

Nose

Ovary

Pancreas

Pituitary Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Lymph Node - Mandibular

Parathyroid Gland

OBSERVATIONS

Spleen

Depletion Lymphoid

Mild

Uterus

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 725
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus	
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INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Moderate
		Mixed Tumor Benign	
Skin	Subcut Tiss	Fibrosarcoma	
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY
Note: C O MORB: SQUAMOUS CELL CARC AND FIBROSARCOMA
Note: FIBROSARC TGLs = 2-8
Note: (SLIDE #8) AND JUDGED TO BE OUTSIDE TREATED AREA
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SLI #4)
Note: NO SECTION OF SKIN SUBMITTED WITH MAMMARY GL (SLIDE #2)
[Hyperkeratosis TGLS = 1-7]
Spleen
[Hematopoietic Cell Proliferation TGLS = 3-1]

Hematopoietic Cell Proliferation Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 6
DOSE: 50 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 725
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 452
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
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	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 4-1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 5-2			
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: EVALUATION OF ANY NONNEOPLASTIC LESIONS			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: OR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 6

SEX: Female

DAY ON TEST: 452

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-1]

[Squamous Cell Carcinoma TGLS = 3-1]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 6

SEX: Female

DAY ON TEST: 436

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss Capsule	Histiocytic Sarcoma Hyperplasia	Metastatic (Uncertain Primary Site) Mild
Heart		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Kidney	Renal Tubule	Casts Protein	Multifocal, Minimal
Note: NO CORRESP LESION FOR RENAL PALLOR NOTED AT NECROPSY			
Liver		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: C O MORB: HISTIOCYTIC SARCOMA			
Note: PRIMARY SITE UNKNOWN			
Note: HISTIO SARC TGLs = 4,5-1+8			
Lung		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Lymph Node	Mandibular	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Ovary		Atrophy Histiocytic Sarcoma Hyperplasia	Marked Metastatic (Uncertain Primary Site) Tubular, Minimal
Note: ONE OVARY MISSING			
Note: PRIMARY SITE UNKNOWN			
Pancreas		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Skin	Scapula Scapula	Acanthosis Hyperkeratosis	Minimal Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 6

SEX: Female

DAY ON TEST: 436

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen
Note: HEMA CELL PROL TGLs = 1-1
Uterus
Note: HISTIO SARC TGLs = 3-7

Hematopoietic Cell Proliferation

Histiocytic Sarcoma

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 6

SEX: Female

DAY ON TEST: 566

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Minimal
Blood Vessel	Aorta	Inflammation	Chronic Active, Mild
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Moderate
		Mixed Tumor Benign	
[Atrophy TGLS = 2-6]			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Acanthosis	Minimal
		Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
		Inflammation	Chronic, Mild

Note: (SLIDES 4 & 7) SUBMITTED PRIMARILY FOR
 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
 Note: ACANTHOSIS PRESENT IN SECTION OF INGUINAL SKIN
 Note: THE EVALUATION OF NONNEOPLASTIC LESIONS
 Note: ACANTHOSIS PRESENT IN SECTIONS OF TREATED SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 6

SEX: Female

DAY ON TEST: 566

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ACANTHOSIS TGLs = 1-4+7

Note: (SLIDE #2) ATTACHED TO MAMMARY GLAND

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 3-6

Note: C O MORB: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Cyst	
Note: NO CORRESP LESION FOR GROSS OBS OF LIVER NODULE [Cyst TGLs = 5-10]			
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Mild
Note: ONE OVARY MISSING			
Pancreas		Inflammation	Granulomatous, Moderate
Note: INFLAMMATION TGLs = 3-9			
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Capsule Capsule	Adenoma Hyperplasia Mineralization Cyst	Marked Multifocal, Minimal
Brain			
Liver			
Note: CYST	TGLs = 4,6-9		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 5-2		
Ovary		Atrophy Cyst Hyperplasia	Marked Tubular, Mild
	Bilateral Bilateral		
Note: CYST	TGLs = 3-6		
Skin	Scapula Scapula Scapula	Acanthosis Inflammation Squamous Cell Carcinoma	Mild Necrotizing, Minimal Multiple
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SQUAM CEL CARC	TGLs = 1,2-7+8		
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 6
DOSE: 50 MG/ML

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Hyperplasia	Cystic, Marked
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 683
DOSE: 50 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Moderate
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
Note: NECROTIZING INFLAMMATION PRESENT IN VENTRAL SKIN			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION			
Note: (SLIDES #9&11) AND JUDGED TO BE OUTSIDE TREATED AREA			
Note: INFLAMMATION TGLs = 3,5-9+11			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #10) SUBMITTED PRIMARILY			
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Note: INFLAMMATION TGLs = 4-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-12			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 6

SEX: Female

DAY ON TEST: 683

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 2-6			
Brain		Mineralization	Multifocal, Minimal
Heart	Myocardium	Inflammation	Chronic, Multifocal, Minimal
Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Marked
Note: ONE OVARY MISSING			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: C O MORB: SQUAMOUS CELL CARCINOMA AND PHEOCHROMOCYT MAL			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 6
DOSE: 50 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 726
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Angiectasis	Moderate
		Thrombosis	
Note: ANGIECTASIS TGLs = 3-1			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Note: CYST TGLs = 2-6			
Skin	Back	Acanthosis	Mild
	Scapula	Basosquamous Tumor Malignant	
	Back	Hyperkeratosis	Minimal
	Back	Inflammation	Necrotizing, Minimal
Note: MASS (SLIDE #4) WAS SUBMITTED			
Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF BACK (SLIDE 6)			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: BASOSQU TM MAL TGLs = 1-7			
Note: C O MORB: SQUAMOUS CELL CARC AND LYMPHOMA MAL UNDIFF			
Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Stomach	Forestomach	Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 6
DOSE: 50 MG/ML

SEX: Female
DISP: Moribund

DAY ON TEST: 726
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 2-8			
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Mild
		Mixed Tumor Benign	
Note: MIXD TUMOR BGN TGLs = 3-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: OF TREATED SITE (SLIDE #7) IN SECTION SUBMITTED AS MASS			
Note: NECROTIZING INFLAMMATION PRESENT IN SKIN			
Thymus		Thymoma Benign	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Note: ADENOMA	TGLs = 6-6		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 7-2		
Mammary Gland		Adenocarcinoma	
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Moderate
Note: CYST	TGLs = 5-6		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: SQUAM CEL CARC TGLs = 1,2,4-7+8+10			
Note: MASSES (SLIDE #4) WAS SUBMITTED			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Inflammation	Subacute, Mild
Brain		Mineralization	Multifocal, Minimal
Heart	Valve	Bacterium	
	Valve	Thrombosis	
Islets, Pancreatic		Hyperplasia	Minimal
Kidney		Inflammation	Subacute, Multifocal, Mild
Note: INFLAMMATION TGLs = 6-1			
Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic Active, Multifocal, Mild
[Inflammation TGLs = 5-1]			
Lung		Alveolar/Bronchiolar Adenoma	
		Squamous Cell Carcinoma	Metastatic (Skin)
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary	Bilateral	Atrophy	Marked
		Granulosa Cell Tumor Benign	
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Moderate
Salivary Glands		Inflammation	Subacute, Multifocal, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: HYPERKERATOSIS TGLs = 1-4+7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ACANTHOSIS TGLs = 1-4+7

Note: OF TREATED SKIN (SLIDES 4&7) SUBMITTED

Note: C O MORB: SQUAMOUS CELL CARCINOMA AND VEGETAT ENDOCARD

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTIONS

Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SQUAM CEL CARC TGLs = 2,3,4-8+9+10

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 7-1]

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 6

SEX: Female

DAY ON TEST: 677

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Multifocal, Moderate
		Thrombosis	

Note: C O MORB: SQUAM CELL CARC AND HEPATOCELL CARC

Note: HEPATOCLR CARC TGLs = 8-13

Lung		Hepatocellular Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Mild
	Back	Squamous Cell Carcinoma	Multiple
	Scapula	Squamous Cell Carcinoma	Multiple

Note: SQUAM CEL CARC TGLs = 2,3-8+9

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: OF TREATED SKIN (SLIDES #10 &11) SUBMITTED PRIMARILY

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION

Note: SQUAM CEL CARC TGLs = 1,6-7+12

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 6

SEX: Female

DAY ON TEST: 677

DOSE: 50 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 4,5-10+11

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 7-1]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lymph Node		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Ovary		Granulosa Cell Tumor Benign	
Note: GRANLSA TM BGN TGLs = 7-6			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Back	Acanthosis	Mild
	Scapula	Acanthosis	Mild
	Back	Inflammation	Necrotizing, Moderate
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	Multiple

Note: NO SECTION OF INGUINAL SKIN (SLIDE #2) SUBM WITH MAMM GL

Note: SQUAMOUS CELL CARCINOMA PRESENT IN THE AXILLARY

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: REATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: SKIN, LEFT (SLIDE #11) AND JUDGED OUTSIDE TREATED AREA

Note: SQUAM CEL CARC TGLs = 5-11

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 50 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1,2-7+8

Note: SECTIONS OF SKIN OF BACK (SLIDES #9&10)

Note: NECROTIZING INFLAMMATION PRESENT IN

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

[Inflammation TGLS = 3,4-9+10]

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 6-1]

Thyroid Gland

Follicular Cel

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 6

SEX: Female

DAY ON TEST: 497

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Blood Vessel			
Note: C O DEATH: AORTIC INFLAMMATION (VEGETATIVE ENDOCARDITIS)			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Note: C O DEATH: BRONCHIOLO-ALVEOLAR CARCINOMA			
Ovary	Bilateral	Atrophy	Marked
		Congestion	Moderate
		Hyperplasia	Tubular, Mild
		Mixed Tumor Benign	
[Congestion TGLS = 2-6]			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: F TREATED SKIN (SLIDE#4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 6

SEX: Female

DAY ON TEST: 497

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 6

SEX: Female

DAY ON TEST: 604

DOSE: 50 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Blood Vessel	Aorta	Bacterium	
	Aorta	Thrombosis	
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Mild
Note: INFILTRAT CELL TGLs = 6-9			
Note: NO CORRESP LESION FOR LUMBAR L NODE ENL SEEN AT NECROPS			
Mammary Gland	Inguinal	Inflammation	Chronic, Mild
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
		Inflammation	Necrotizing, Marked
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: FORELIMB (SLIDE #10) AND JUDGED OUTSIDE TREATED AREA

Note: INFLAMMATION TGLs = 2-4+8

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: TREATED SKIN (SLIDES #4 & 8) SUBMITTED PRIMARILY

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170	TRT#: 6	SEX: Female	DAY ON TEST: 604
	DOSE: 50 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C O MORB: SQUAMOUS CELL CARC AND VEGETATIVE ENDOCARDITIS

Note: INFLAMMATION TGLs = 3-10

Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF LEFT

Spleen		Amyloid Deposition	Mild
		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 5-12			
Stomach	Forestomach	Squamous Cell Papilloma	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 6

SEX: Female

DAY ON TEST: 459

DOSE: 50 MG/ML

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Note: C O DEATH: VEGETATIVE ENDOCARDITIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 8

SEX: Female

DAY ON TEST: 532

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Inflammation	Chronic Active, Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	Mild
		Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: HYPERKERATOSIS WAS PRESENT IN SECTION OF Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 8

SEX: Female

DAY ON TEST: 503

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Mammary Gland	Inguinal	Hyperplasia	Cystic, Moderate
Ovary	Bilateral	Atrophy	Marked
		Granulosa Cell Tumor Benign	
Note: GRANLSA TM BGN TGLs = 4-6			
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: (SLIDE #4) WAS PRESENT			
Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM MASSES			
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1,2-7+8			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 8

SEX: Female

DAY ON TEST: 474

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Mammary Gland	Inguinal	Hyperplasia	Cystic, Minimal
Ovary	Bilateral	Atrophy	Marked
		Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: SQUAM CEL CARC TGLs = 1-7

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Uterus	Endometrium	Hyperplasia	Cystic, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 8

SEX: Female

DAY ON TEST: 449

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Glandular
Urinary Bladder

Bone
Gallbladder
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Thyroid Gland

MISSING

Harderian Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Capsule

Hyperplasia
Squamous Cell Carcinoma
Squamous Cell Carcinoma
Squamous Cell Carcinoma
Squamous Cell Carcinoma
Squamous Cell Carcinoma

Mild
Metastatic (Skin)
Metastatic (Uncertain Primary Site)
Metastatic (Skin)
Metastatic (Skin)

Liver
Lung

Note: SQUAM CEL CARC TGLs = 3-2

Ovary
Skeletal Muscle

Bilateral
Intercostal

Atrophy
Squamous Cell Carcinoma

Moderate
Metastatic (Skin)

Note: MAY BE METASTATIC FROM SKIN OR ALSO POSSIBLY MAY

Note: BE AN EXTENSION OF THE PRIMARY TUMOR

Note: SQUAMOUS CELL CARCINOMA OF THE INTERCOSTAL MUSCLES

Note: SQUAM CEL CARC TGLs = 4-8

Skin

Scapula
Scapula
Scapula

Acanthosis
Hyperkeratosis
Squamous Cell Carcinoma

Minimal
Minimal

Note: SQUAM CEL CARC TGLs = 1-7

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION OF

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 8

SEX: Female

DAY ON TEST: 449

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: C O DEATH: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 376
DOSE: 100 MG/ ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Harderian Gland		Inflammation	Necrotizing, Minimal
Heart		Squamous Cell Carcinoma	Metastatic (Skin)
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 4,5-1		
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 2-2		
Lymph Node	Deep Cervical, Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 6-3		
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Moderate
Skin	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC	TGLs = 1-7		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 3-1		
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 8

SEX: Female

DAY ON TEST: 535

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
	Cortex	Inflammation	Chronic, Mild
Liver		Inflammation	Chronic Active, Multifocal, Minimal
[Inflammation TGLS = 4-1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 5,6-2]			
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-7			
Uterus			
Note: NO CORRESP LESION FOR SMALLNESSOF UTERUS NOTED AT NECR			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 8

SEX: Female

DAY ON TEST: 558

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Ectopic Tissue	
	Capsule	Hyperplasia	Mild
Note: ECTOPIC OVARIAN TISSUE IN ADRENAL CORTEX			
Note: ECT TISSUE TGLs = 5-6			
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Lymph Node		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Mild
Skin	Back	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Marked
Note: EVALUATION OF NONNEOPLASTIC LESIONS			
Note: TREATED SKIN (SLIDE #7) SUBMITTED PRIMARILY FOR			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: INFLAMMATION TGLs = 3-7			
Note: SQUAM CEL CARC TGLs = 1,2-7			
Note: SQUAM CEL CARC TGLs = 6-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 8

SEX: Female

DAY ON TEST: 558

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Minimal

[Hematopoietic Cell Proliferation TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 8

SEX: Female

DAY ON TEST: 541

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary		Atrophy	Marked
		Cyst	
Note: ONE OVARY MISSING			
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
	Scapula	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site), Multiple (Uncertain Primary Site)
	Scapula	Squamous Cell Carcinoma	

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: NODULE (SLIDE #4) WAS SUBMITTED

Note: NO SECTION OF SCAPULAR SKIN SEPARATE FROM

Note: SQUAM CEL CARC TGLs = 1-7

Stomach

Note: NO CORRESP LESION FOR STOMACH NODULE NOTED AT NECROPSY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189	TRT#: 8	SEX: Female	DAY ON TEST: 562
	DOSE: 100 MG/ ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Multifocal, Moderate
Note: HEPATOCLR CARC TGLs = 2,3-8			
Lung		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED AREA			
Note: (SECTION #4) SUBMITTED PRIMARILY FOR EVALUATION			
Note: OF NONEOPLASTIC LESIONS			
Note: C O DEATH: SQUAMOUS CELL CARC; HEPATOCELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Femoral	Myelofibrosis	Multifocal, Moderate
	Sternal	Myelofibrosis	Multifocal, Moderate
Harderian Gland		Adenoma	
Liver		Necrosis	Coagulative, Multifocal, Minimal
Lung		Granulosa Cell Tumor Malignant	Metastatic (Ovary)
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Nose	Glands	Inflammation	Acute, Mild
Ovary		Atrophy	Marked
		Cyst	
		Granulosa Cell Tumor Malignant	
Note: GRANLSA TM MAL TGLs = 6-6			
Pituitary Gland	Pars Distalis	Granular Cell Tumor Malignant	Metastatic (Uncertain Primary Site)
	Pars Distalis	Hyperplasia	Nodular, Mild
Skin	Scapula	Acanthosis	Moderate
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
		Squamous Cell Carcinoma	Multiple

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: TREATED SKIN (SECTION #4) SUBMITTED PRIMARILY

Note: SQUAM CEL CARC TGLs = 1,2,3,4,5-7+8+9+10+11

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Inflammation	Acute, Minimal
Uterus	Endometrium	Fibrosis	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 4-10			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
		Hyperplasia	Tubular, Marked
[Hyperplasia TGLS = 5-6]			
Skin	Scapula	Acanthosis	Minimal
	Subcut Tiss	Fibrosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SQUAM CEL CARC TGLs = 1,2,3-8+9+10			
Stomach	Forestomach	Acanthosis	Minimal
Note: ACANTHOSIS TGLs = 6-11			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 8

SEX: Female

DAY ON TEST: 535

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Coagulative, Multifocal, Mild
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Mild
Note: ONE OVARY MISSING			
Skin	Back	Acanthosis	Mild
	Back	Inflammation	Necrotizing, Moderate
	Scapula	Inflammation	Necrotizing, Mild
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: FORELIMB (SLIDE #9); JUDGED TO BE OUT OF TREATED SITE
 Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF LEFT
 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
 Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF
 Note: INFLAMMATION TGLs = 1-9
 Note: C O MORB: SQUAMOUS CELL CARCINOMA
 Note: SQUAM CEL CARC TGLs = 2,3-7+8
 Note: TREATED SKIN (SLIDE #10) SUBMITTED PRIMARILY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 8

SEX: Female

DAY ON TEST: 535

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 4-10]

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 5-1]

Uterus

Note: NO CORRESP LESION FOR SMALLNESS OF UTERUS NOTED AT NECR

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 8

SEX: Female

DAY ON TEST: 550

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Bilateral	Hyperplasia	Moderate
Harderian Gland		Inflammation	Subacute, Mild
Heart	Myocardium	Inflammation	Subacute, Focal, Minimal
Kidney		Inflammation	Subacute, Multifocal, Mild
Liver		Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 4-1			
Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Suppurative, Focal, Mild
		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-2			
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Marked
Note: INFILTRAT CELL TGLs = 5-7			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: EVALUATION OF NONNEOPLASTIC LESIONS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 8

SEX: Female

DAY ON TEST: 550

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1-8

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 8

SEX: Female

DAY ON TEST: 578

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Carcinoma Hyperplasia	Nodular, Mild
Note: CARCINOMA TGLs = 5-6			
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Kidney			
Note: NO CORRESP LESION FOUND FOR KIDNEY PALLOR OBS AT NECROPSY			
Liver			
Note: NO CORRESP LESION FOUND FOR LIVER PALLOR OBS AT NECROPSY			
Lung		Adenocarcinoma	Metastatic (Mammary Gland)
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-7			
Ovary	Bilateral	Atrophy Cyst	Marked
	Bilateral	Hyperplasia	Tubular, Moderate
Skin	Scapula Scapula	Acanthosis Squamous Cell Carcinoma Squamous Cell Carcinoma	Mild Metastatic (Uncertain Primary Site)
Note: NO SECTION OF TREATED SKIN SEPARATE FROM MASS			
Note: (SLIDE #4) WAS SUBMITTED			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 8

SEX: Female

DAY ON TEST: 578

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1-7

Spleen

Hematopoietic Cell Proliferation

Marked

[Hematopoietic Cell Proliferation TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195	TRT#: 8	SEX: Female	DAY ON TEST: 162
	DOSE: 100 MG/ ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Blood Vessel	Aorta	Bacterium	
	Aorta	Inflammation	Chronic Active, Marked
	Aorta	Thrombosis	
Lung		Hemorrhage	Multifocal, Moderate
Ovary	Bilateral	Atrophy	Mild
		Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Uterus			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Kidney	Renal Tubule	Casts Protein	Multifocal, Mild
	Renal Tubule	Inflammation	Subacute, Multifocal, Mild
		Mineralization	Multifocal, Minimal
Liver		Hematopoietic Cell Proliferation	Moderate
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3-2			
Ovary		Atrophy	Marked
		Granulosa Cell Tumor Benign	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple

Note: SQUAM CEL CARC TGLs = 1,2-7+8

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: (SLIDE #4) SUBMITTED PRIMARILY FOR

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: HYPERKERATOSIS PRESENT IN TREATED SKIN SECTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196	TRT#: 8 DOSE: 100 MG/ ML	SEX: Female DISP: Moribund	DAY ON TEST: 464 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: HEMA CELL PROL TGLs = 4-1		Hematopoietic Cell Proliferation	Marked
Stomach Note: INFLAMMATION TGLs = 5-9	Glandular	Inflammation	Acute, Mild
Urinary Bladder		Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 8

SEX: Female

DAY ON TEST: 541

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Note: CYST TGLs = 2-6			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Basosquamous Tumor Malignant	
	Scapula	Inflammation	Necrotizing, Moderate
Note: C O MORB: BASOSQUAM TUMOR MALIG			
Note: BASOSQU TM MAL TGLs = 1-7			
Note: INSUFFICIENT TISSUE FOR MICROSCOPIC ANALYSIS			
Note: SECTION OF INGUINAL SKIN ADJACENT TO			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS HAS			
Note: SECTION OF TREATED SKIN (SECTION #4) PRIMARILY SUBMITTED			
Note: MAMMARY GLAND (SLIDE#2) IS MISSING			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 8

SEX: Female

DAY ON TEST: 541

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 8

SEX: Female

DAY ON TEST: 186

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Blood Vessel	Aorta	Bacterium	
	Aorta	Inflammation	Chronic Active, Marked
	Aorta	Thrombosis	
Note: C O DEATH: AORTIC INFLAMMATION (VEGETATIVE ENDOCARDITIS)			
Liver		Necrosis	Coagulative, Multifocal, Minimal
Lung		Hemorrhage	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: HYPERKERATOSIS PRESENT IN SECTION OF

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 593
DOSE: 100 MG/ ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Marked
		Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1,2-7+8

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: FORELIMB (SECTION #10); JUDGED OUTSIDE TREATED SITE

Note: NECROTIZING INFLAMMATION PRESENT IN SKIN OF RIGHT

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN (SLIDE #4) SUMMITTED PRIMARILY FOR

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Note: INFLAMMATION TGLs = 4-10

Note: INFLAMMATION TGLs = 3-4+9

Stomach Forestomach Ulcer Minimal

Note: ULCER TGLs = 5-11

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Lung		Alveolar/Bronchiolar Adenoma	
		Granulosa Cell Tumor Malignant	Metastatic (Ovary)
Mammary Gland	Cervical	Atypia Cytologic	Moderate
	Inguinal	Hyperplasia	Cystic, Mild
Note: OF NONNEOPLASTIC LESIONS OF THE TREATED SKIN			
Note: OF SCAPULA (SLIDE #4) SUBMITTED FOR EVALUATION			
Note: ATYPICAL HYPERPLASIA PRESENT IN MAMMARY TISSUE			
Ovary		Atrophy	Marked
		Granulosa Cell Tumor Malignant	
Note: ONE OVARY MISSING			
Note: GRANLSA TM MAL TGLs = 9-6			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARC; MALIG GRANULOSA CELL TUM			
Note: HAD T LEAVE OFF END OF TGL: 12+13+14			
Note: SQUAM CEL CARC TGLs = 1,2,3,4,5,6,7,8-7+8+9+10+11+12+			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 10-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 8	SEX: Female	DAY ON TEST: 593
	DOSE: 100 MG/ ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS TGLs = 11-15			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 593
DOSE: 100 MG/ ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary		Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Abscess	Moderate
	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site), Multiple (Uncertain Primary Site)

Note: INFLAMMATION TGLs = 5-11

Note: ABSCESS TGLs = 3-9

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: TREATED SKIN SECTIONS (SLIDES 9&11) INCLUDED

Note: ABSCESS AND NECROTIZING INFLAMMATION PRESENT IN

Note: SQUAM CEL CARC TGLs = 1,2,4-7+8+10

Spleen		Amyloid Deposition	Mild
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Hematopoietic Cell Proliferation

Mild

[Amyloid Deposition TGLS = 6-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202	TRT#: 8 DOSE: 100 MG/ ML	SEX: Female DISP: Moribund	DAY ON TEST: 474 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hemangioma	
		Necrosis	Coagulative, Multifocal, Minimal
		Thrombosis	
[Necrosis TGLS = 2-7]			
Ovary	Bilateral	Atrophy	Marked
		Granulosa Cell Tumor Benign	
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: SECTION OF TREATED SKIN (SLIDE #4) SUBMITTED Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN Note: SQUAM CEL CARC TGLs = 1-8			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 388
DOSE: 100 MG/ ML **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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 - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney	Renal Tubule	Necrosis	Coagulative, Multifocal, Mild
Liver		Necrosis	Coagulative, Multifocal, Moderate
Note: NECROSIS TGLs = 4-1			
Ovary	Bilateral	Atrophy	Marked
		Granulosa Cell Tumor Benign	
		Hemorrhage	Marked
		Hyperplasia	Tubular, Minimal
Note: GRANLSA TM BGN TGLs = 3-7			
Note: C O DEATH: HEMORRHAGE FROM GRANULOSA CELL TUMOR			
Note: HEMORRHAGE TGLs = 2-7			
Salivary Glands		Necrosis	Coagulative, Mild
Skin		Acanthosis	Mild
		Hyperkeratosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 593
DOSE: 100 MG/ ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
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	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Nodular, Minimal
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Mild
Note: CYST TGLs = 5-6			
Skin	Scapula	Abscess	Moderate
	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
Note: NECROTIZING INFLAMMATION PRESENT IN SECTIONS			
Note: INFLAMMATION TGLs = 1,3-7+9			
Note: SQUAM CEL CARC TGLs = 2,4-8+10			
Note: OF TREATED SKIN (SLIDES #7&9) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS OF THE SKIN			
Note: ABSCESS ON SLIDE #8 WAS NOTED BUT JUDGED TO BE SECONDARY			
Note: TO CARCINOMA AND THUS NOT ENTERED INTO THE RECORD			
Spleen			
Note: NO CORRESP LESION FOR SPLENIC ENLARGEMENT NOTED AT NECR			
Stomach	Forestomach	Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204	TRT#: 8	SEX: Female	DAY ON TEST: 593
	DOSE: 100 MG/ ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ULCER TGLs = 7-11 Note: PAPILLOMA SQUA TGLs = 7-11	Forestomach	Ulcer	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 8

SEX: Female

DAY ON TEST: 550

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Femoral	Myelofibrosis	Multifocal, Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Minimal
Note: ECTASIA TGLs = 2-7			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Pancreas	Acinus	Atrophy	Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: EVALUATION OF NONNEOPLASTIC LESIONS			
Stomach	Forestomach	Ulcer	Minimal
Note: ULCER TGLs = 3-8			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 8

SEX: Female

DAY ON TEST: 550

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 8

SEX: Female

DAY ON TEST: 487

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Necrosis	Coagulative, Multifocal, Mild
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 2-3			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Mild
Pancreas		Hypoplasia	Marked
Note: PANCREATIC LESION WOULD BEST BE CALLED APLASIA			
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-4+7			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: MICROSCOPC SUAMOUS CELL CARCINOMA PRESENT IN SECTION			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 8

SEX: Female

DAY ON TEST: 487

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-1]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Inflammation	Subacute, Moderate
Liver		Inflammation	Chronic Active, Multifocal, Mild
Lung		Inflammation	Suppurative, Focal, Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 9-2]			
Lymph Node	Mandibular	Infiltration Cellular	Polymorphnuclr, Moderate
	Mesenteric	Infiltration Cellular	Polymorphnuclr, Moderate
	Renal	Infiltration Cellular	Polymorphnuclr, Moderate
	Axillary	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-10			
Note: INFILTRAT CELL TGLs = 8-11			
Note: INFILTRAT CELL TGLs = 10-12			
Note: INFILTRAT CELL TGLs = 5-3+6			
Ovary		Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
	Periovarn Tiss	Inflammation	Subacute, Marked
Skin	Scapula	Acanthosis	Mild
	Scapula	Inflammation	Necrotizing, Moderate
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: (SLIDE #8) IN SECTION SUBMITTED PRIMARILY
Note: NECROTIZING INFLAMMATION PRESENT IN ABDOMINAL SKIN
Note: (SLIDE #7) JUDGED TO BE OUTSIDE TREATED SITE
Note: SQUAM CEL CARC TGLs = 3-9
Note: INFLAMMATION TGLs = 2-8
Note: NECROTIZING INFLAMMATION PRESENT IN TREATED SKIN
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
Note: C O MORB: SQUAMOUS CELL CARCINOMA
Note: INFLAMMATION TGLs = 1-7

Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-8			
Stomach	Glandular	Hyperplasia	Mild
	Glandular	Inflammation	Acute, Mild
	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 11-13			
Urinary Bladder		Inflammation	Acute, Marked
Uterus		Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 8

SEX: Female

DAY ON TEST: 544

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Minimal
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
	Back	Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: UNTREATED SKIN OF THE BACK (SLIDE #6)

Note: NECROTIZING INFL IN SLIDES #2 & 7 JUDGED

Note: NECROTIZING INFLAMMATION PRESENT IN DORSAL LUMBAR AND

Note: HYPERKERATOSIS PRESENT IN SECTION OF

Note: SQUAM CEL CARC TGLs = 1-4

[Squamous Cell Carcinoma TGLS = 2-7]

Spleen Hematopoietic Cell Proliferation

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 8

SEX: Female

DAY ON TEST: 544

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-1]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung	Bronchiole	Adenocarcinoma	Metastatic (Uncertain Primary Site)
Mammary Gland	Inguinal	Adenocarcinoma	
		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-7+8]			
Ovary	Bilateral	Atrophy	Marked
		Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Mild
		Acanthosis	Minimal
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	

Note: C O MORB: SQUAMOUS CELL CARCINOMA AND MAMM GL ADENOCARC

Note: AND MAMMARY GL ADENOCARCINOMA THAT AROSE IN TREATED SITE

Note: ABDOMINAL SKIN AND JUDGED TO BE OUTSIDE TREATED AREA

Note: SLIDES # 7 & 8 CONTAIN BOTH SQUAMOUS CARCINOMA

Note: INFLAMMATION TGLs = 5-11

Note: SQUAM CEL CARC TGLs = 2-8

Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF

Spleen		Hematopoietic Cell Proliferation	Marked
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 3-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 8

SEX: Female

DAY ON TEST: 558

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Liver			
Note: NO CORRESP LESION FOR LIVER FOCUS SEEN AT NECROPSY			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
		Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: (SLIDE #7) AND JUDGED TO BE OUTSIDE THE TREATED AREA			
Note: NECROTIZING INFLAMMATION PRESENT IN AXILLARY SKIN			
Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION OF			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SCAPULAR SKIN (SLIDE #4) SUBMITTED PRIMARILY			
[Inflammation TGLS = 2-7]			
[Squamous Cell Carcinoma TGLS = 1-4+8]			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 8

SEX: Female

DAY ON TEST: 558

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 4-2]			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 2-7		
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Minimal
Skin	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARC; MAMMARY ADENOCARC;			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: NO SECTION OF TREATED SKIN (SLIDE #4) SUBMITTED			
Note: SQUAM CEL CARC TGLs = 1-8			
Note: BRONCHIOLO-ALVEOLAR CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Nodular, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Granulosa Cell Tumor Benign	
	[Granulosa Cell Tumor Benign TGLS = 3-6]	Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA Note: SQUAM CEL CARC TGLs = 1-7 Note: (SLIDE # 4) WAS SUBMITTED Note: NO SECTION OF TREATED SKIN SEPARATE FROM MASSES			
Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 2-1]		
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 8

SEX: Female

DAY ON TEST: 519

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Necrosis	Coagulative, Multifocal, Mild
[Necrosis TGLS = 2,3-1]			
Ovary	Bilateral	Atrophy	Marked
[Granulosa Cell Tumor Benign TGLS = 4-6]		Granulosa Cell Tumor Benign	
Skin	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: MASS (SLIDE #4) WAS SUBMITTED			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 8

SEX: Female

DAY ON TEST: 499

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Mammary Gland	Parathyroid Gland	Pituitary Gland
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Lymphoma Malignant Lymphocytic	
Brain		Lymphoma Malignant Lymphocytic	
		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
		Inflammation	Subacute, Moderate
		Lymphoma Malignant Lymphocytic	
Note: ADENOMA	TGLs = 2-11		
Heart		Lymphoma Malignant Lymphocytic	
Intestine Large	Cecum	Lymphoma Malignant Lymphocytic	
	Colon	Lymphoma Malignant Lymphocytic	
	Rectum	Lymphoma Malignant Lymphocytic	
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 4-10		
Note: LYMPH MAL LYMP	TGLs = 9-8		
Note: LYMPH MAL LYMP	TGLs = 10-7		
Note: LYMPH MAL LYMP	TGLs = 7-4		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose MF: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 8

SEX: Female

DAY ON TEST: 499

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 5-2

[Lymphoma Malignant Lymphocytic TGLS = 3-3+6]

Nose	Nares, Nerve	Inflammation	Subacute, Moderate
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Marked
		Lymphoma Malignant Lymphocytic	

Note: NO CORRESP LESION SEEN FOR OVARIAN CYST NOTED AT NECROPSY

Pancreas		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skeletal Muscle	Neck	Lymphoma Malignant Lymphocytic	
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Back	Lymphoma Malignant Lymphocytic	
	Scapula	Lymphoma Malignant Lymphocytic	
	Scapula	Lymphoma Malignant Lymphocytic	
	Scapula	Squamous Cell Carcinoma	

Note: C O MORB: LYMPHOCYTIC LYMPHOMA AND SQUAM CELL CARCIN

Note: MALIN LYMPHOMA LYMPHOCYTIC PRESENT IN TREATED,

Note: UNTREATED SKIN AND INGUINAL SKIN INCL WITH MAMMARY GL

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SECTION

[Lymphoma Malignant Lymphocytic TGLS = 1-4+12]

Spleen		Lymphoma Malignant Lymphocytic	
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
	Glandular	Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 8

SEX: Female

DAY ON TEST: 444

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
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	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
Lung		Alveolar/Bronchiolar Adenoma	
		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 3,4-2			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Granulosa Cell Tumor Benign	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARCINOMA			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN			
Note: (SLIDE #4) SUBMITTED PRIMARILY FOR			
Note: SQUAM CEL CARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
		[Hematopoietic Cell Proliferation TGLS = 2-1]	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 8

SEX: Female

DAY ON TEST: 444

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 8

SEX: Female

DAY ON TEST: 407

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Spleen
Thyroid Gland

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland
Brain
Ovary

Skin

Uterus

Capsule

Bilateral
Bilateral
Scapula
Scapula

Hyperplasia
Mineralization
Atrophy
Hyperplasia
Acanthosis
Hyperkeratosis

Mild
Multifocal, Minimal
Marked
Tubular, Minimal
Minimal
Minimal

Note: C O DEATH: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 550
DOSE: 100 MG/ ML **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

INSUFFICIENT TISSUE

Mammary Gland Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Lumbar, Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: LUMBAR LYMPH NODE METASTASIS OF SQUAMOUS CELL CARC			
Note: IS IN THE SECTION OF UNTREATED SKIN OF BACK (SLIDE #6)			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Moderate
		Mixed Tumor Benign	
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	
Note: C O DEATH: SQUAMOUS CELL CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-4+7			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 8

SEX: Female

DAY ON TEST: 523

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 7-7		
Heart		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Kidney		Squamous Cell Carcinoma	Metastatic (Skin)
	[Squamous Cell Carcinoma TGLS = 5-8]		
Liver		Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC	TGLs = 2-2		
Lymph Node	Mesenteric, Sinus	Ectasia	Marked
	Mesenteric	Hematopoietic Cell Proliferation	Mild
	[Ectasia TGLS = 4-8]		
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Granulosa Cell Tumor Benign	
		Hemorrhage	Moderate
		Hyperplasia	Tubular, Marked
Note: HEMORRHAGE	TGLs = 6-6		
Skin	Scapula	Squamous Cell Carcinoma	
Note: (SLIDE # 4) WAS SUBMITTED			
Note: NO SECTION OF TREATED SKIN SEPARATE FROM MASSES			
Note: C O MORB: SQUAMOUS CELL CARCINOMA			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 8
DOSE: 100 MG/ ML

SEX: Female
DISP: Moribund

DAY ON TEST: 523
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1-9

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 3-9

Thymus

Squamous Cell Carcinoma

Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary		Cyst	
Note: ONE OVARY MISSING			
Skin	Back	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: SECTION OF INGUINAL SKIN ATTACHED TO MAMMARY			
Note: NO SECTION TAKEN FOR SKIN MASS # 3			
Note: SQUAM CEL CARC TGLs = 1,4-7+10			
Note: ACANTHOSIS TGLs = 2-8			
Note: GLAND (SLIDE # 2) WAS MISSING			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220 TRT#: 8 SEX: Female DAY ON TEST: 593
DOSE: 100 MG/ ML DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Cyst	
		Mixed Tumor Benign	
Pituitary Gland	Pars Intermed	Adenoma	
Skin	Scapula	Acanthosis	Mild
	Scapula	Squamous Cell Carcinoma	Multiple
Note: OF THE ABDOMINAL SKIN NOTED AT NECROPSY			
Note: NO CORRESPONDING LESION FOR THE ALOPECIA			
Note: SQUAM CEL CARC TGLs = 2,3,4,5,6,7-7+8+9+10+11+12			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221	TRT#: 8	SEX: Female	DAY ON TEST: 499
	DOSE: 100 MG/ ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: NO SECTION OF TREATED SKIN SEPARATE FROM

Note: SQUAM CEL CARC TGLs = 1,2,3-8+9+10

Note: C O MORB: SQUAMOUS CELL CARCINOMA

Note: THE MASSES (SLIDE #4) WAS SUBMITTED

Spleen		Hematopoietic Cell Proliferation	Marked
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Note: HEMA CELL PROL TGLs = 4-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 8

SEX: Female

DAY ON TEST: 523

DOSE: 100 MG/ ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
	Capsule	Hyperplasia	Mild
Intestine Large	Colon	Inflammation	Necrotizing, Marked
Intestine Small	Duodenum	Inflammation	Necrotizing, Marked
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
	[Squamous Cell Carcinoma TGLS = 2-2]		
Mammary Gland	Inguinal	Inflammation	Acute, Mild
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Squamous Cell Carcinoma	
	Note: SQUAM CEL CARC TGLs = 1-7		
	Note: C O DEATH: SQUAMOUS CELL CARCINOMA		
Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 3-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223	TRT#: 8	SEX: Female	DAY ON TEST: 2
	DOSE: 100 MG/ ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Ovary			
Note: ONE OVARY HAS INSUFFICIENT TISSUE FOR DIAGNOSIS			
Uterus			
Note: C O MORB: UNKNOWN			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Salivary Glands	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site), Multiple (Uncertain Primary Site)
		Inclusion Body Intracytoplasmic	Minimal
<p>Note: EOSINOPHILIC CYTOPL INCLUSIONS IN TUMOR CELLS ONLY</p> <p>Note: HEPATOCLR ADEN TGLs = 7,9-1+12</p>			
Lung		Alveolar/Bronchiolar Adenoma	
Mammary Gland	Inguinal	Hyperplasia	Cystic, Marked
Ovary	Bilateral	Atrophy	Marked
		Granulosa Cell Tumor Benign	
	Bilateral	Hyperplasia	Tubular, Mild
<p>Note: GRANLSA TM BGN TGLs = 6-6</p>			
Skin	Back	Acanthosis	Minimal
	Scapula	Acanthosis	Mild
	Back	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Moderate
	Scapula	Squamous Cell Carcinoma	Multiple
<p>Note: INFLAMMATION TGLs = 4-4+10</p>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9

Note: SKIN (SLIDE # 4) SUBMITTED PRIMARILY

Note: NECROTIZING INFLAMMATION IN SECTION OF TREATED

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: NO CORRESP LESION FOR ALOPECIA OF ABD SKIN NOTED AT NECR

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 8-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 8

SEX: Female

DAY ON TEST: 578

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

INSUFFICIENT TISSUE

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Bone Marrow	Femoral	Necrosis	Caseous, Marked
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 6-1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 7-2]			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 4-10			
Note: ADENOCARC OF MAMMARY GL VIEWED AS OUTSIDE TREATED AREA			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	Multiple
Note: NO SECTION OF TREATED SKIN SEPARATE FROM MASSES			
Note: (SLIDE # 4) WAS SUBMITTED			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 8

SEX: Female

DAY ON TEST: 578

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9

Note: C O MORB: SQUAMOUS CELL CARC; HEPATOCELL CARCINOMA

Spleen

Hematopoietic Cell Proliferation

Mild

[Hematopoietic Cell Proliferation TGLS = 5-1]

Stomach

Glandular

Inflammation

Acute, Minimal

Note: INFLAMMATION TGLs = 8-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney	Renal Tubule	Bacterium	
		Inflammation	Necrotizing, Marked
Note: INFLAMMATION TGLs = 8-1			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 9-2			
Lymph Node	Axillary, Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4,5-6			
Note: SQUAM CEL CARC TGLs = 2-8			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
[Hyperplasia TGLS = 7-6]			
Skin		Abscess	Moderate
		Inflammation	Chronic, Moderate
	Scapula	Squamous Cell Carcinoma	
Note: C O MORB: SQUAMOUS CELL CARC; RENAL INFLAMM (PYELONEPHRITIS)			
Note: (SLIDE #4) WAS NOT SUBMITTED			
Note: SECTION OF TREATED SKIN SEPARATE FROM MASSES			
Note: SQUAM CEL CARC TGLs = 1,3-7+9			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226	TRT#: 8	SEX: Female	DAY ON TEST: 579
	DOSE: 100 MG/ ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CHRONIC INFLAMMATION PRESENT IN SECTION OF INGUINAL
Note: SKIN (SECTION #2) INCLUDED WITH MAMMARY GLAND
Note: ABSCESS PRESENT IN SKIN OF FACE (SLIDE #5)
Note: AND JUDGED NOT TO BE IN THE TREATED AREA

Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-10			
Tooth	Gingiva	Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 8

SEX: Female

DAY ON TEST: 431

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
Note: CYST TGLs = 3,4-6			
Skin	Scapula	Acanthosis	Moderate
	Scapula	Inflammation	Necrotizing, Mild
	Scapula	Squamous Cell Carcinoma	
Note: INFLAMMATION TGLs = 2-8			
Note: OF NONNEOPLASTIC LESIONS			
Note: SQUAM CEL CARC TGLs = 1-7			
Note: TREATED SKIN (SLIDE # 8) SUBMITTED FOR EVALUATION			
Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 593
DOSE: 100 MG/ ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Amyloid Deposition	Mild
		Inflammation	Chronic Active, Multifocal, Minimal
Note: INFLAMMATION TGLs = 6-1			
Lung		Alveolar/Bronchiolar Adenoma	
		Squamous Cell Carcinoma	Metastatic (Skin)
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Granulosa Cell Tumor Benign	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Squamous Cell Carcinoma	Multiple
Note: NO SECTION OF TREATED SKIN SEPARATE FROM			
Note: MASSES (SLIDE #4) WAS SUBMITTED			
Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9			
Spleen		Amyloid Deposition	Minimal
		Hematopoietic Cell Proliferation	Moderate
[Amyloid Deposition TGLS = 5-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 8

SEX: Female

DAY ON TEST: 495

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Marked
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-9			
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Bilateral	Atrophy	Marked
		Mixed Tumor Benign	
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
		Squamous Cell Carcinoma	

Note: VENTRAL THORAX AND JUDGED TO BE OUTSIDE TREATED AREA

Note: SQUAM CEL CARC TGLs = 2-7

Note: SQUAM CEL CARC TGLs = 1-8

Note: SECTION OF UNTREATED SKIN (SLIDE # 6) WAS MISSING

Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)

Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS

Note: SQUAMOUS CELL CARCINOMA PRESENT IN SKIN OF

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 8

SEX: Female

DAY ON TEST: 495

DOSE: 100 MG/ ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 100 MG/ ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
	Artery	Inflammation	Subacute, Mild
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Note: CYST TGLs = 4-6			
Skin	Scapula	Squamous Cell Carcinoma	Multiple
Note: NO CORRESP LESION FOR GROSS OBSERVATION OF ALOPECIA			
Note: IN ABDOMINAL SKIN AT NECROPSY			
Note: SQUAM CEL CARC TGLs = 1,2,3-7+8+9			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 217

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Urinary Bladder
Uterus			

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland	Trachea
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Heart	Valve	Bacterium	
	Valve	Inflammation	Subacute, Moderate
	Valve	Thrombosis	
Note: C O DEATH: VEGETATIVE ENDOCARDITIS			
Lung	Artery	Hemorrhage	Multifocal, Mild
		Inflammation	Subacute, Moderate
Ovary			
Note: ONE OVARY MISSING			
Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver			
Note: NO CORRESP LESION FOR LIVER NODULE NOTED AT NECROPSY			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
		Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-6		
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 708

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Mild
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Heart	Valve	Bacterium	
	Valve	Thrombosis	

Note: C O MORB: VEGETATIVE ENDOCARDITIS AND SQAM CELL CARC

Liver		Hepatocellular Adenoma	
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Pancreas	Acinus	Atrophy	Minimal
Skin	Back	Hyperkeratosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 1-7

Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED

Note: HYPERKERATOSIS PRESENT IN SKIN OF BACK (SLIDE #6)

Note: EVALUATION OF NONNEOPLASTIC LESIONS

Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR

Spleen		Hematopoietic Cell Proliferation	Mild
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Note: HEMA CELL PROL TGLs = 2-1+8

Uterus	Endometrium	Hyperplasia	Cystic, Moderate
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 708

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384	TRT#: 4	SEX: Female	DAY ON TEST: 196
	DOSE: 25 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Heart	Valve	Bacterium	
	Valve	Inflammation	Subacute, Marked
	Valve	Thrombosis	
Note: C O MORB: VEGETATIVE ENDOCARDITIS			
Lung		Congestion	Diffuse, Marked
Note: CONGESTION TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-2]		
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Pancreas	Acinus	Atrophy	Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS		
	Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY		
	Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION OF		
Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 1-7]		
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 729
DOSE: 25 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary	Bilateral	Atrophy	Marked
		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS AND ACATHOSIS PRESENT IN SECTION OF			
Spleen		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 556

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver			
Note: NO CORRESP LESION FOR LIVER FOCUS NOTED AT NECROPSY			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE WAS MISSING AT TRIM			
Mesentery		Necrosis	Moderate
Ovary	Bilateral	Atrophy	Marked
		Necrosis	Acute, Moderate
Note: NECROSIS	TGLs = 6-6		
Pancreas	Duct	Ectasia	Marked
Note: ECTASIA	TGLs = 4-8		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Subcut Tiss	Necrosis	Multifocal, Moderate
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: SKIN (SLIDE #7) IDENTIFIED AT NECROPSY AS CLIT GL			
Note: NECROSIS	TGLs = 1-7		
Note: FOR EVALUATION OF NONNEOPLASTIC TISSUE			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 556

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NECROSIS PRESENT IN SUBCUTIS OF INGUINAL

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Spleen

Note: NO CORRESP LESION FOR GROSS OBSERVATION

Note: OF SPLENIC ENLARGEMENT NOTED AT NECROPSY

Thyroid Gland

Follicle

Hyperplasia

Nodular, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Marked

Note: C O DEATH: UNKNOWN

[Hyperplasia TGLS = 5-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-7]			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Note: CYST	TGLs = 1-6		
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LES			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Islets, Pancreatic		Hyperplasia	Minimal
Liver		Hepatocellular Carcinoma	
		Thrombosis	
[Hepatocellular Carcinoma TGLS = 1-7]			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Heart	Coron Artery	Inflammation	Chronic, Minimal
Ovary		Atrophy	Marked
Note: ONE OVARY MISSING			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-7]			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 711
DOSE: 25 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Note: C O MORB: BRONCHIOLAR-ALVEOLAR CARCINOMA			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Marked
Skin	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Nodular, Mild
Skin	Scapula	Acanthosis	Minimal
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Mild
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	

Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY
 Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS
 Note: NECROTIZING INFLAMMATION PRESENT IN SECTION OF
 [Inflammation TGLS = 1-7]

Spleen		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Moderate
[Hyperplasia TGLS = 1-6]			
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 4

SEX: Female

DAY ON TEST: 515

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 1-6			
Skin	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS PRESENT IN SECTION OF			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Note: C O MORB: UNKNOWN			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 730
DOSE: 25 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
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	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Note: CYST TGLs = 1-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Inflammation	Chronic, Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Liver
Nose	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-2			
Note: C O MORB: LYMPHOMA MALIG LYMPHOCYTIC			
[Lymphoma Malignant Lymphocytic TGLS = 1-7]			
Mammary Gland	Inguinal	Hyperplasia	Cystic, Minimal
Ovary	Bilateral	Atrophy	Marked
		Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis		
Note: ADENOMA TGLs = 3-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN			
Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SECTION OF TREATED SKIN (SLIDE #4) SUBMITTED			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399	TRT#: 4 DOSE: 25 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 600	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
[Hyperplasia TGLS = 1-6]			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: ACANTHOSIS AND HYPERKERATOSIS PRESENT IN SECTION			
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 601

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
	Capsule	Hyperplasia	Mild
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Lymph Node	Lumbar	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: HISTIO SARC TGLs = 4-7			
Mesentery		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Cyst	
		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
	Bilateral	Hyperplasia	Tubular, Mild
Note: PRIMARY SITE UNKNOWN			
Note: CYST TGLs = 2-6			
Skin	Scapula	Hyperkeratosis	Minimal
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: HEMA CELL PROL TGLs = 3-8			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 601

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Histiocytic Sarcoma

Note: C O MORB: HISTIOCYTIC SARCOMA

Note: HISTIO SARC TGLs = 1-9+10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 602

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Heart		Cardiomyopathy	Moderate
Liver	Atrium Lft	Thrombosis	
[Degeneration TGLS = 5-1]	Centrilobular	Degeneration	Hydropic, Moderate
Lymph Node	Mesenteric	Infiltration Cellular	Polymorphnuclr, Minimal
Note: INFILTRAT CELL TGLs = 4-9			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
Note: CYST TGLs = 3-6	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-7			
Note: C O MORB: CARDIOMYOPATHY AND SQUAMOUS CELL CARCINOMA			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-8			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 602

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 603 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 730
DOSE: 25 MG/ML **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Brain	Hypothalamus	Compression	Moderate
		Mineralization	Multifocal, Minimal
Harderian Gland		Carcinoma	
Islets, Pancreatic		Hyperplasia	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-2			
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Minimal
		Thrombosis	
[Thrombosis TGLS = 1-6]			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SL #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 604

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: F TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 605 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 642
DOSE: 25 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Liver	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Ovary	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 6-6			
Skin	Sebaceous GI	Adenocarcinoma	
	Scapula	Hyperkeratosis	Minimal
	Back	Squamous Cell Carcinoma	
	Scapula	Squamous Cell Carcinoma	Multiple
Note: C O MORB: SQUAMOUS CELL CARCINOMA Note: (SLIDES 8 & 9) AND JUDGED TO BE OUTSIDE TREATED AREA Note: SQUAMOUS CELL CARCINOMA PRESENT ON R AND L ELBOW Note: ADENOCARC TGLs = 2-10 Note: ADENOCARCINOMA PRESENT IN SECTION OF ABDOMINAL SKIN Note: (SLIDE #10) AND JUDGED TO BE OUTSIDE TREATED AREA Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: SQUAM CEL CARC TGLs = 4-7 Note: SQUAM CEL CARC TGLs = 1,3-8+9			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 605

TRT#: 4

SEX: Female

DAY ON TEST: 642

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 5-1]

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 606

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Bone Marrow	Femoral	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Mild
		Thrombosis	
[Atrophy TGLS = 1-6]			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: F TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 607

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-6		
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SL #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 608	TRT#: 4 DOSE: 25 MG/ML	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow	Femoral	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin	Scapula	Acanthosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 609

TRT#: 4

SEX: Female

DAY ON TEST: 576

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea

MISSING

Pituitary Gland	Urinary Bladder
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AUTO PRECLUDES DIAG.

Stomach - Glandular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Femoral	Hemangiosarcoma	
	Femoral	Thrombosis	
Lymph Node			
Note: NO CORRESP LESION FOR MAND L N ENLARGENT NOTED AT NECR			
Ovary		Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN			
Note: SECTION OF TREATED SKIN (SLIDE #4) SUBMITTED			
Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Spleen		Hemangiosarcoma	
		Thrombosis	
Note: C O DEATH: HEMANGIOSARCOMA OF SPLEEN AND BONE MARROW			
Note: HEMANGIOSARC TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 609

TRT#: 4

SEX: Female

DAY ON TEST: 576

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 610 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 709
DOSE: 25 MG/ML **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1,3-2			
Note: C O MORB: ALVEOLAR-BRONCHIOLAR CARCINOMA			
Mammary Gland	Inguinal	Hyperplasia	Cystic, Mild
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 2-6			
Note: ONE OVARY MISSING			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 611

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	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	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
	Cortex	Hyperplasia	Nodular, Mild
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-6			
Skin	Scapula	Squamous Cell Carcinoma	
Note: SCALY NODULE OF TREATED AREA (SLIDE #7)			
Note: NO CORRESP LESION FOUND FOR RAISED, BROWN			
[Squamous Cell Carcinoma TGLS = 2-8]			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 612	TRT#: 4	SEX: Female	DAY ON TEST: 722
	DOSE: 25 MG/ML	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain	Hypothalamus	Compression	Marked
Mammary Gland	Inguinal	Hyperplasia	Cystic, Minimal
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: C O DEATH: PITUITARY ADENOMA			
Note: ADENOMA TGLs = 1-3			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Chronic, Minimal
Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: PRESENT IN SECTION OF TREATED SKIN (SLIDE #4) SUBMITTED			
Note: HYPERKERATOSIS, ACANTHOSIS AND CHRONIC INFLAMMATION			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 613

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Basophilic Focus	Moderate
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-7			
Ovary		Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-6]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 614	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
		Inclusion Body Intracytoplasmic	Minimal
Note: EOSINOPHILIC CYTOPL INCLUSIONS IN TUMOR CELLS ONLY [Hepatocellular Adenoma TGLS = 1,3-7+8]			
Lung		Alveolar/Bronchiolar Adenoma	
		[Alveolar/Bronchiolar Adenoma TGLS = 2-9]	
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 615

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Colon	Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Minimal
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Marked
Note: ECTASIA TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SL #4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 616	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONEOPLASTIC LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 617

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Mild
		Necrosis	Acute, Marked
[Necrosis TGLS = 1-6]			
Skin	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED SKIN (SL#4)			
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 618

TRT#: 4

SEX: Female

DAY ON TEST: 415

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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 - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Kidney		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Liver		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
		Necrosis	Coagulative, Multifocal, Mild
Note: PRIMARY SITE UNKNOWN			
Note: HISTIO SARC TGLs = 3,4-1+8			
Lung		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Lymph Node	Mesenteric	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: HISTIO SARC TGLs = 5-8			
Ovary	Bilateral	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Skin	Scapula	Hyperkeratosis	Minimal
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: HYPERKERATOSIS PRESENT IN SECTION OF			
Spleen		Hematopoietic Cell Proliferation	Mild
		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Tooth	Peridont Tiss	Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Urinary Bladder		Histiocytic Sarcoma	Metastatic (Uncertain Primary Site)
Note: HISTIO SARC TGLs = 1-4			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 618

TRT#: 4

SEX: Female

DAY ON TEST: 415

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PRIMARY SITE UNKNOWN

Uterus

Histiocytic Sarcoma

Note: C O DEATH: HISTIOCYTIC SARCOMA

Note: HISTIO SARC TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 619 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 457
DOSE: 25 MG/ML **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Cecum Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Lung	Alveolar Epith	Hyperplasia	Mild
Ovary		Atrophy	Marked
		Cyst	
Note: CYST TGLs = 2-6			
Note: ONE OVARY MISSING			
Pancreas	Duct	Ectasia	Marked
	Duct	Mineralization	Multifocal, Mild
Note: ECTASIA TGLs = 1-4			
Spleen		Depletion Lymphoid	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 620

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Moderate
Brain		Mineralization	Multifocal, Minimal
Ovary		Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Moderate
Note: ONE OVARY MISSING			
Skin	Scapula	Acanthosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal
	Scapula	Squamous Cell Carcinoma	
Note: SUBMITTED PRIMARLY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
[Acanthosis TGLS = 1-7]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 621	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 25 MG/ML	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Moderate
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS			
Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 622

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Marked
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Ovary	Bilateral	Atrophy	Marked
	Bilateral	Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 623

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
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	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Bone Marrow	Sternal	Myelofibrosis	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Ovary		Atrophy	Marked
		Cyst	
	Bilateral	Hyperplasia	Tubular, Mild
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula, Sebaceous Gland	Hyperplasia	Mild
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS Note: FOR EVALUATION OF NONEOPLASTIC LESIONS Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY Note: HYPERPLASIA OF SEBACEOUS GLAND PRESENT IN SECTION			
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 624

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
		Inclusion Body Intracytoplasmic	Minimal
Note: EOASINOPHILIC CYTOPL INCLUSIONS IN TUMOR CELLS ONLY [Hepatocellular Carcinoma TGLS = 1,3-7]			
Lung		Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY SITE UNKNOWN			
Ovary	Bilateral	Atrophy	Marked
		Cyst	
		Hyperplasia	Tubular, Minimal
Note: CYST TGLs = 2-6			
Skin	Scapula	Acanthosis	Minimal
Note: SUBMITTED PRIMARILY FOR EVALUATION OF NONNEOPL LESIONS Note: ACANTHOSIS PRESENT IN SECTION OF TREATED SKIN (SLIDE #4)			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 625

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Liver	Lymph Node - Mandibular	Nose
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Mammary Gland	Uterus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
	Cortex	Hyperplasia	Nodular, Mild
Brain		Mineralization	Multifocal, Minimal
Gallbladder		Lymphoma Malignant Mixed	
Islets, Pancreatic		Adenoma	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-6		
Mesentery		Lymphoma Malignant Mixed	
Ovary		Atrophy	Marked
		Hyperplasia	Tubular, Minimal
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-6		
Pancreas	Acinus	Atrophy	Moderate
		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-6		
Thyroid Gland	Follicle	Hyperplasia	Nodular, Minimal
Urinary Bladder		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 625

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 626

TRT#: 4

SEX: Female

DAY ON TEST: 477

DOSE: 25 MG/ML

DISP: Drowned

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Brain		Mineralization	Multifocal, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
	Scapula	Inflammation	Necrotizing, Minimal

Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS

Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION

Note: OF TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY

Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: C O DEATH: UNKNOWN

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 627

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 25 MG/ML

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Adenocarcinoma	Metastatic (Mammary Gland)
Note: ADENOCARC	TGLs = 2-2		
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-4+7		
Note: MAMMARY GL ADENOCARCINOMA PRESENT IN SECTION			
Note: OF TREATED SKIN (SLIDES 4&7) AND METSTATIC TO LUNG			
Ovary	Bilateral	Atrophy	Marked
		Hyperplasia	Tubular, Minimal
Skin	Scapula	Acanthosis	Minimal
	Scapula	Hyperkeratosis	Minimal
Note: TREATED SKIN (SLIDE #4) SUBMITTED PRIMARILY			
Note: FOR EVALUATION OF NONNEOPLASTIC LESIONS			
Note: HYPERKERATOSIS AND ACANTHOSIS PRESENT IN SECTION OF			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 628

TRT#: 4

SEX: Female

DAY ON TEST: 553

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Nose	Parathyroid Gland	Pituitary Gland	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Mammary Gland	Salivary Glands
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AUTO PRECLUDES DIAG.

Pancreas

OBSERVATIONS

Adrenal Gland	Capsule Extra Adr Tiss	Hyperplasia Lymphoma Malignant Lymphocytic	Mild
Harderian Gland		Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-2]			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Note: C O CEATH: LYMPHOMA MAL LYMPHOCYTIC			
Mesentery		Lymphoma Malignant Lymphocytic	
Ovary	Bilateral Bilateral	Atrophy Lymphoma Malignant Lymphocytic	Marked
Skin	Scapula Scapula Scapula Back Scapula	Acanthosis Hyperkeratosis Inflammation Lymphoma Malignant Lymphocytic Lymphoma Malignant Lymphocytic Lymphoma Malignant Lymphocytic	Mild Minimal Necrotizing, Mild

Note: NECROTIZING INFLAMMATION AND LYMPHOCYTIC LYMPHOMA
 Note: PRESENT IN SECTION OF TREATED SKIN (SLIDE #4) SUBMITTED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 628

TRT#: 4

SEX: Female

DAY ON TEST: 553

DOSE: 25 MG/ML

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SKIN (SLIDE #2) SUBMITTED WITH MAMMARY GLAND

Note: LYMPHOCYTIC LYMPHOMA PRESENT IN INGUINAL

Note: PRIMARILY FOR EVALUATION OF NONNEOPLASTIC LESIONS

Thymus

Lymphoma Malignant Lymphocytic

[Lymphoma Malignant Lymphocytic TGLS = 1-2]

Thyroid Gland

Lymphoma Malignant Lymphocytic

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 633

TRT#: 4

SEX: Female

DAY ON TEST: 31

DOSE: 25 MG/ML

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Minimal
Pancreas	Acinus	Atrophy	Minimal
Spleen		Depletion Lymphoid	Mild
Uterus			

Note: C O MORB: UNKNOWN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05044-02
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4-Vinyl-1-cyclohexene diepoxide
CAS Number: 106-87-6

Date Report Requested: 10/18/2014
Time Report Requested: 18:08:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 640	TRT#: 4	SEX: Female	DAY ON TEST: 428
	DOSE: 25 MG/ML	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Liver	Lung	Nose	Ovary
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland	Thymus
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INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Pancreas	Duct	Ectasia	Marked
Note: ECTASIA TGLs = 2-7			
Skin	Scapula	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS PRESENT IN SECTION OF TREATED			
Note: EVALUATION OF NONNEOPLASTIC LESIONS			
Note: SKIN (SLIDE #4) SUBMITTED PRIMARILY FOR			
Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 1-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: C O DEATH: UNKNOWN			

PRIMARY CAUSE OF DEATH

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE