

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

C Number:	C55527
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Female

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Blood vessel	Aortic Tunica Intima	Inflammation, Suppurative
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
	Nasolacrimal Duct	Inflammation, Chronic
Heart	Epicardium	Inflammation, Suppurative
Intestine Small	Mesentery Nos	Inflammation, Nos
Kidney		Hemorrhage
	Capsule	Inflammation, Suppurative
		Lymphocytic Inflammatory Infiltrate
Liver		Hematopoiesis
Lung	Pleura Nos	Inflammation, Suppurative
		Inflammation, Suppurative
Lymph node	Mediastinal Lymph Node	Histiocytosis
	Mandibular Lymph Node	Hyperplasia, Nos
	Mandibular Lymph Node	Inflammation, Chronic
	Mediastinal Lymph Node	Plasmacytosis
Mammary gland		Dilatation, Ducts
		Inflammation, Chronic Diffuse
Nasal cavity	Nasal Gland	Cyst, Nos
		Empyema
		Inflammation, Chronic
Ovary		Regeneration, Nos
Spleen		Inflammation, Suppurative
		Hematopoiesis
	Capsule	Inflammation, Suppurative
Stomach	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_001

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Cortex Nos	Hemorrhage
	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Thalamus	Mineralization
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Hematopoiesis
		Lymphocytic Inflammatory Infiltrate
Liver		Focal Cellular Change
		Hepatocellular Carcinoma
Lung		Emphysema, Alveolar
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mandibular Lymph Node	Inflammation, Chronic
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Tooth	Periodontal Tissues	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Brain
Heart
Lung
Nasal cavity

Capsule
Olfactory Sensory Epithelium
Cardiac Valve

Salivary gland

Trachea

Hyperplasia, Nos
Atrophy, Nos
Degeneration, Muroid
Hyperplasia, Lymphoid
Empyema
Inflammation, Chronic
Metaplasia, Squamous
Cystic Ducts
Inflammation, Suppurative
Lymphocytic Inflammatory Infiltrate
Cyst, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_005

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Gall bladder		Inflammation, Nos
Heart		Inflammation, Chronic
	Cardiac Valve	Mineralization
Kidney		Hemorrhage
Liver	Capsule	Inflammation, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Renal Lymph Node	Necrosis, Focal
Nasal cavity		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Spleen		Hematopoiesis
Thyroid		Degeneration, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_006

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

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Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
	Capsule	Inflammation, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Intestine Small	Ileum, Ileum	Inflammation, Chronic
	Mesentery Nos	Inflammation, Nos
Liver		Hematopoiesis
Lung		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Capsule

Hematopoiesis

Blood vessel

Renal Artery Nos

Hyperplasia, Nos

Bone marrow

Necrosis, Fibrinoid

Brain

Olfactory Sensory Epithelium

Hyperplasia, Granulocytic

Heart

Atrophy, Nos

Kidney

Periarteritis

Lymphocytic Inflammatory Infiltrate

Nephrosis, Nos

Lymph node

Mandibular Lymph Node

Perivasculitis

Nasal cavity

Mandibular Lymph Node

Hematopoiesis

Mastocytosis

Empyema

Skin

Hyperplasia, Epithelial

Uterus

Endometrium

Inflammation, Chronic

Metaplasia, Squamous

Periarteritis

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium Thalamus	Atrophy, Nos Deformity, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Nephrosis, Nos
Lung		Histiocytosis
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Pituitary gland	Nasal Gland	Adenoma, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid
Nasal cavity		Empyema
	Nasal Gland	Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Spleen		Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

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Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_011

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct Nasolacrimal Duct	Hyperplasia, Epithelial Inflammation, Chronic
Harderian gland	Hardarian Gland Hardarian Gland	Papillary Adenoma Papillary Carcinoma
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hematopoiesis
Lymph node	Bronchial Lymph Node Mandibular Lymph Node	Hyperplasia, Nos Hyperplasia, Nos
Nasal cavity	Nasal Gland Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Stomach	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Suppurative
Heart	Cardiac Valve	Degeneration, Muroid
Liver		Cyst, Hemorrhagic
		Hepatocellular Adenoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
Spleen		Hematopoiesis
Tooth	Root	Abscess, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Mineralization
Eye	Nasolacrimal Duct Nasolacrimal Duct Nasolacrimal Duct Nasolacrimal Duct	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial
Kidney		Hematopoiesis Lymphocytic Inflammatory Infiltrate
Liver		Hematopoiesis Necrosis, Nos
Lung	Submucosa	Cyst, Nos Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node Bronchial Lymph Node	Hyperplasia, Nos Inflammation, Suppurative
Nasal cavity	Nasal Gland Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic Inflammation, Suppurative

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_015

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic Hyperplasia, Nos
Heart	Cardiac Valve	Degeneration, Muroid
Liver		Hematopoiesis
Nasal cavity		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos Abdominal Cavity	Lymphoma, Nos-Malignant Sarcoma, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain		Perivascular Cuffing
Clitoral gland		Cyst, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
	Nasolacrimal Duct	Inflammation, Chronic
Liver		Hematopoiesis
		Lymphoma, Histiocytic-Malignant Type
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
		Hyperplasia, Nos
	Mandibular Lymph Node	Inflammation, Chronic
Nasal cavity	Nasal Gland	Cyst, Nos
		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Pituitary gland		Hyperplasia, Nos
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Deformity, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Pituitary gland		Adenoma, Nos
Trachea		Cyst, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Capsule	Amyloidosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Gall bladder		Inflammation, Nos
Kidney		Nephrosis, Nos
Larynx	Submucosa	Cyst, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Inflammation, Chronic Metaplasia, Squamous Inflammation, Suppurative
Ovary		Abscess, Nos
Peritoneum		Granulation Tissue Inflammation, Nos
Salivary gland		Lymphocytic Inflammatory Infiltrate
Spleen		Hematopoiesis
	Capsule	Inflammation, Chronic
Thymus		Cyst, Nos
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Cyst, Nos
	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Thalamus	Mineralization
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Heart	Cardiac Valve	Degeneration, Mucoïd
Larynx		Hyperplasia, Epithelial
	Submucosa	Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mandibular Lymph Node	Inflammation, Acute Focal
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Metaplasia, Squamous
Stomach	Glandular Stomach	Metaplasia, Squamous
Thyroid		Cystic Follicles
Trachea		Cyst, Nos
		Hyperplasia, Epithelial
		Inflammation, Acute
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
	Capsule	Inflammation, Nos
Bone	Maxilla	Necrosis, Focal
Bone marrow		Hyperplasia, Granulocytic
Kidney		Necrosis, Nos
Lymph node	Bronchial Lymph Node	Necrosis, Focal
	Renal Lymph Node	Necrosis, Focal
Nasal cavity		Inflammation, Chronic
Ovary	Mesovarium	Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Suppurative
Spleen		Congestion, Nos
		Necrosis, Focal
Thymus		Necrosis, Focal
Tooth	Root	Necrosis, Focal
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

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Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Intestine Small	Mesentery Nos	Inflammation, Nos
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Necrosis, Focal
Nasal cavity		Empyema
		Inflammation, Chronic
Spleen		Metaplasia, Squamous
		Hemangiosarcoma
Uterus	Endometrium	Necrosis, Focal
		Hyperplasia, Cystic
		Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_022

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel
Eye
Lung
Lymph node
Nasal cavity

Aorta Nos
Nasolacrimal Duct

Mandibular Lymph Node

Nasal Gland

Periarteritis
Hyperplasia, Epithelial
Inflammation, Chronic
Hyperplasia, Nos
Empyema
Erosion
Hyperplasia, Epithelial
Hyperplasia, Nos
Inflammation, Chronic
Metaplasia, Squamous
Regeneration, Nos
Cyst, Nos
Cyst, Nos

Ovary
Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Heart	Cardiac Valve	Degeneration, Mucoïd
Intestine Small	Mesentery Nos	Inflammation, Nos
Kidney		Nephrosis, Nos
Liver		Hematopoiesis
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mediastinal Lymph Node	Inflammation, Acute
Nasal cavity		Empyema
		Erosion
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Ovary	Mesovarium	Inflammation, Chronic
		Inflammation, Suppurative
Pituitary gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Uterus	Endometrium	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_024

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Necrosis, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
		Inflammation, Acute
Mammary gland		Adenocarcinoma, Nos
Nasal cavity		Empyema
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
Pituitary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Hematopoiesis
Urinary bladder	Muscularis	Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_025

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Intestine Large	Colon	Fibrosis
Intestine Small	Mesentery Nos	Inflammation, Nos
Kidney	Capsule	Inflammation, Suppurative
Liver		Necrosis, Nos
Lung	Pleura Nos	Inflammation, Suppurative
Nasal cavity		Empyema
		Inflammation, Chronic
Ovary		Metaplasia, Squamous
Pancreas		Inflammation, Suppurative
Spleen		Focal Cellular Change
Trachea		Hematopoiesis
Unspecified	Mediastinum Nos	Cyst, Nos
Uterus	Endometrium	Inflammation, Suppurative
	Serosa	Hyperplasia, Cystic
		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
		Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Meninges	Inflammation, Suppurative
Eye	Nasolacrimal Duct	Inflammation, Suppurative
Heart	Cardiac Valve	Degeneration, Muroid
Lung		Congestion, Acute Passive
		Inflammation, Acute
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mandibular Lymph Node	Inflammation, Chronic
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
Stomach	Forestomach	Hyperkeratosis
Thyroid		Degeneration, Nos
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_027

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium Thalamus	Atrophy, Nos Inflammation, Suppurative
Eye	Nasolacrimal Duct	Inflammation, Suppurative
Heart		Inflammation, Suppurative
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Erosion
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic
Stomach	Glandular Stomach	Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Deformity, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Liver		Hepatocellular Adenoma
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mandibular Lymph Node	Hyperplasia, Nos Plasmacytosis
Mammary gland		Dilatation, Ducts
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Pituitary gland		Adenoma, Nos
Spleen		Lymphoma, Undifferentiated-Malignant Type
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus		Hemangiosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Empyema
	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney	Tubule	Cytoplasmic Aggregate, Nos
		Lymphocytic Inflammatory Infiltrate
Liver	Capsule	Inflammation, Nos
Lung	Bronchiole	Hyperplasia, Epithelial
	Pleura Nos	Inflammation, Suppurative
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Pancreas		Inflammation, Nos
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Thymus		Inflammation, Suppurative
Thyroid		Hyperplasia, C Cell
Trachea		Cyst, Nos
		Hyperplasia, Epithelial
		Metaplasia, Squamous
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_030

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Lymphoma, Lymphocytic-Malignant Type
Liver		Hepatocellular Adenoma
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity	Nasal Gland	Cyst, Nos
		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Spleen		Hematopoiesis
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Empyema
Gall bladder	Serosa	Inflammation, Nos
Kidney		Hemorrhage
		Perivasculitis
Liver		Hematopoiesis
Lung	Submucosa	Cyst, Nos
		Emphysema, Alveolar
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mesenteric Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Ovary		Metaplasia, Squamous
Peritoneum		Inflammation, Suppurative
Spleen		Inflammation, Nos
Trachea		Hematopoiesis
Uterus	Endometrium	Cyst, Nos
		Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Intestine Large	Large Intestine, Colon	Inflammation, Acute Diffuse
Liver		Hematopoiesis
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Nos Hyperplasia, Nos
Nasal cavity	Nasal Gland	Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Inflammation, Suppurative
Ovary		Inflammation, Nos
Pancreas		Inflammation, Nos
Peritoneum		Inflammation, Nos
Salivary gland		Lymphocytic Inflammatory Infiltrate
Spleen		Hematopoiesis
Thyroid		Degeneration, Nos
Trachea		Cyst, Nos Hyperplasia, Epithelial
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Small	Ileum, Ileum	Inflammation, Suppurative
Liver	Capsule	Inflammation, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Hyperplasia, Epithelial
		Inflammation, Chronic
Ovary	Mesovarium	Metaplasia, Squamous
		Inflammation, Suppurative
		Inflammation, Suppurative
Pancreas		Inflammation, Nos
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_034

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Lung		Hyperplasia, Lymphoid
Nasal cavity		Empyema
		Inflammation, Chronic
Ovary		Metaplasia, Squamous
Peritoneum		Inflammation, Suppurative
Spleen		Inflammation, Nos
Thymus		Hematopoiesis
Uterus		Abscess, Nos
		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule Pulmonary Artery Nos	Degeneration, Nos Fibrosis Hyperplasia, Nos Periarteritis
Blood vessel		Hyperplasia, Granulocytic
Bone marrow		Atrophy, Nos
Brain	Olfactory Sensory Epithelium	Hyperplasia, Epithelial
Eye	Nasolacrimal Duct	Lymphocytic Inflammatory Infiltrate
Kidney		Hyperplasia, Lymphoid
Lung		Cyst, Nos
Lymph node	Mandibular Lymph Node Mandibular Lymph Node Mandibular Lymph Node	Hyperplasia, Nos Inflammation, Acute Focal
Nasal cavity	Nasal Gland Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Ovary		Cyst, Nos
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos	Periarteritis
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
	Capsule	Inflammation, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Heart		Degeneration, Nos
	Epicardium	Inflammation, Suppurative
Kidney		Lymphocytic Inflammatory Infiltrate
		Nephrosis, Nos
Lung		Inflammation, Acute
	Pleura Nos	Inflammation, Suppurative
Nasal cavity		Edema, Nos
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Pancreas		Inflammation, Nos
Pituitary gland		Hyperplasia, Nos
Salivary gland		Perivasculitis
Spleen		Hematopoiesis
Stomach	Submucosa	Inflammation, Nos
Unspecified	Mediastinum Nos	Inflammation, Necrotizing
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_037

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Cortex Nos Capsule	Cyst, Nos Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Lung		Inflammation, Chronic
Mammary gland		Adenocarcinoma, Nos
Nasal cavity	Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos Granulosa-Cell Tumor
Ovary		Cyst, Nos
Trachea		
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_038

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos Congestion, Acute Passive
Lung		Inflammation, Suppurative
Mammary gland		Hyperplasia, Nos
Nasal cavity		Hyperplasia, Epithelial Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Unspecified	Mediastinum Nos Multiple Organs Nos	Inflammation, Suppurative Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium Thalamus	Atrophy, Nos Mineralization
Eye	Nasolacrimal Duct Nasolacrimal Duct Nasolacrimal Duct Nasolacrimal Duct	Empyema Erosion Hyperplasia, Epithelial Inflammation, Chronic
Kidney		Lymphocytic Inflammatory Infiltrate Nephrosis, Nos
Lung	Submucosa Bronchiole	Cyst, Nos Hyperplasia, Epithelial
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Trachea		Cyst, Nos Hyperplasia, Epithelial
Urinary bladder		Degeneration, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Empyema
Heart	Cardiac Valve	Degeneration, Mucoïd
Kidney		Hemorrhage
Liver		Hematopoiesis
Lung		Congestion, Acute Passive
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
	Nasal Gland	Hyperplasia, Epithelial
		Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Pancreas		Hyperplasia, Diffuse
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Follicular Cell
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_041

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Hematopoiesis
Lymph node	Mandibular Lymph Node Mandibular Lymph Node	Hematopoiesis Hemorrhage
Mammary gland		Dilatation, Ducts
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos Cyst, Hemorrhagic
Ovary		Inflammation, Suppurative
Salivary gland		Hemangiosarcoma
Spleen		Cyst, Nos
Stomach	Glandular Stomach	Cyst, Nos
Trachea		Inflammation, Chronic
Urinary bladder	Submucosa	Hyperplasia, Cystic
Uterus	Endometrium	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_042

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule Cortex Nos	Degeneration, Nos Fibrosis Hyperplasia, Nos Inflammation, Acute Hyperplasia, Granulocytic
Bone marrow		Atrophy, Nos
Brain	Olfactory Sensory Epithelium	Empyema Hyperplasia, Epithelial
Nasal cavity	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_043

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Brain	Thalamus	Mineralization
Lung		Hyperplasia, Lymphoid
Nasal cavity		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Ovary		Cyst, Nos
Pituitary gland		Hyperplasia, Nos
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_044

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Mineralization
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Gall bladder	Serosa	Inflammation, Nos
Heart	Cardiac Valve	Degeneration, Mucoïd
Kidney		Hematopoiesis
Liver		Focal Cellular Change
Lung	Submucosa	Cyst, Nos
		Emphysema, Alveolar
		Inflammation, Acute
Lymph node	Mediastinal Lymph Node	Inflammation, Acute
	Bronchial Lymph Node	Inflammation, Suppurative
Nasal cavity		Empyema
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_045

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule Pulmonary Trunk	Atrophy, Nos Fibrosis Hyperplasia, Nos Inflammation, Acute Diffuse Hyperplasia, Granulocytic
Blood vessel		Atrophy, Nos
Bone marrow		Erosion
Brain	Olfactory Sensory Epithelium	Inflammation, Suppurative
Eye	Nasolacrimal Duct Nasolacrimal Duct	Lymphocytic Inflammatory Infiltrate Histiocytosis
Kidney		Inflammation, Acute
Liver		Inflammation, Suppurative
Lung		Hyperplasia, Nos
Lymph node	Bronchial Lymph Node Mandibular Lymph Node Mandibular Lymph Node	Hyperplasia, Nos Hyperplasia, Nos Necrosis, Focal
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial Inflammation, Chronic Metaplasia, Squamous
Spleen		Hematopoiesis
Thymus		Inflammation, Suppurative
Urinary bladder	Submucosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_046

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Heart	Cardiac Valve	Hemosiderosis Inflammation, Chronic Thrombosis, Nos Hemorrhage
Kidney		Lymphocytic Inflammatory Infiltrate
Lung	Pleura Nos	Inflammation, Suppurative Inflammation, Suppurative
Lymph node	Mandibular Lymph Node Mediastinal Lymph Node	Hyperplasia, Nos Plasmacytosis
Nasal cavity		Erosion Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Ovary		Inflammation, Suppurative Mineralization
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Liver		Cyst, Nos
Lung		Alveolar/Bronchiolar Carcinoma Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Tooth	Periodontal Tissues	Abscess, Nos Deformity, Nos
		Inflammation, Nos
Urinary bladder	Submucosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_048

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Capsule	Degeneration, Nos Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Liver		Hepatocellular Carcinoma Necrosis, Nos
Lung		Hepatocellular Carcinoma, Metastatic Inflammation, Chronic
Nasal cavity		Empyema Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos Inflammation, Chronic
Ovary		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_049

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Thalamus	Mineralization
Eye	Nasolacrimal Duct	Inflammation, Chronic
Lung		Inflammation, Acute
Lymph node	Renal Lymph Node	Inflammation, Chronic
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Ovary		Inflammation, Suppurative
Peritoneum		Abscess, Nos
		Inflammation, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_050

TRT#: 1
DOSE: 100 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Capsule	Degeneration, Nos Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Lung		Emphysema, Alveolar
Lymph node	Pleura Nos	Inflammation, Suppurative
Nasal cavity	Mandibular Lymph Node	Hyperplasia, Nos
		Empyema
	Nasal Gland	Inflammation, Chronic
Ovary		Metaplasia, Squamous
		Granulosa-Cell Tumor
Pituitary gland		Inflammation, Suppurative
Spleen		Hyperplasia, Nos
Uterus	Endometrium	Hematopoiesis
		Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Eye	Nasolacrimal Duct Nasolacrimal Duct	Hyperplasia, Epithelial Inflammation, Suppurative
Mammary gland		Dilatation, Ducts
Nasal cavity		Empyema Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Pituitary gland		Adenoma, Nos
Thyroid		Cystic Follicles
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
	Nasolacrimal Duct	Inflammation, Suppurative
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Ovary		Metaplasia, Squamous
		Cyst, Nos
		Inflammation, Suppurative
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Epithelial
Trachea		Cyst, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lymph node
Nasal cavity
Ovary
Thyroid
Trachea

Olfactory Sensory Epithelium
Mandibular Lymph Node

Atrophy, Nos
Hyperplasia, Nos
Empyema
Inflammation, Suppurative
Cyst, Nos
Cyst, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Kidney		Hematopoiesis
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Salivary gland		Hematopoiesis
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH -

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos Perivascular Cuffing Lymphocytic Inflammatory Infiltrate
Kidney		Hyperplasia, Lymphoid
Lung		Empyema
Nasal cavity		Hyperplasia, Epithelial Inflammation, Chronic
Ovary		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Tooth		Dysplasia, Nos Inflammation, Nos
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Nasal cavity		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Spleen		Hematopoiesis
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Lung	Submucosa	Cyst, Nos
		Hyperplasia, Lymphoid
Lymph node	Bronchial Lymph Node	Abscess, Nos
	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Skeletal muscle	Intercostal Muscle	Inflammation, Suppurative
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus		Adenocarcinoma, Nos
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Cardiac Valve	Degeneration, Muroid
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos Cyst, Nos
Trachea	Nasal Gland	Lymphoma, Nos-Malignant
Unspecified	Multiple Organs Nos	Hyperplasia, Cystic
Uterus	Endometrium	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Capsule	Hyperplasia, Nos
Bone	Sternum	Abscess, Nos
Bone marrow		Hyperplasia, Granulocytic
Heart	Cardiac Valve	Degeneration, Mucoïd
Lung		Hyperplasia, Lymphoid
Nasal cavity	Pleura Nos	Inflammation, Suppurative
		Empyema
		Inflammation, Chronic
Ovary		Metaplasia, Squamous
		Cyst, Nos
		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
	Capsule	Inflammation, Suppurative
Stomach	Glandular Stomach	Atrophy, Nos
	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_010

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Capsule

Hematopoiesis

Bone marrow

Hyperplasia, Nos

Brain

Hyperplasia, Granulocytic

Lymph node

Olfactory Sensory Epithelium

Atrophy, Nos

Nasal cavity

Mandibular Lymph Node

Hyperplasia, Nos

Empyema

Nasal Gland

Hyperplasia, Epithelial

Hyperplasia, Nos

Inflammation, Chronic

Metaplasia, Squamous

Ovary

Inflammation, Suppurative

Pancreas

Inflammation, Nos

Peritoneum

Inflammation, Nos

Spleen

Hematopoiesis

Uterus

Adenocarcinoma, Nos

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Mineralization
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Nasal cavity		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
	Capsule	Inflammation, Suppurative
Blood vessel	Coronary Artery Nos	Periarteritis
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Gall bladder	Serosa	Inflammation, Nos
Heart	Cardiac Valve	Degeneration, Mucoïd
Liver		Hematopoiesis
		Leukemoid Reaction
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mediastinal Lymph Node	Inflammation, Acute
Nasal cavity		Empyema
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Ovary		Cyst, Nos
		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
		Congestion, Acute Passive
Liver		Hematopoiesis
Lung		Hemorrhage
Lymph node	Mediastinal Lymph Node	Histiocytosis
Nasal cavity		Empyema
		Erosion
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Spleen		Hematopoiesis
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH -

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Suppurative
Kidney		Pyelonephritis, Nos
Liver		Hematopoiesis
Nasal cavity		Empyema Hyperplasia, Epithelial Inflammation, Chronic
Ovary		Metaplasia, Squamous
Peritoneum		Inflammation, Suppurative
Spleen		Inflammation, Nos
Stomach	Glandular Stomach	Hematopoiesis
Uterus		Atrophy, Nos Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Gall bladder	Serosa	Inflammation, Nos
Heart	Cardiac Valve	Sclerosis
Kidney		Inflammation, Active Chronic
Larynx		Hyperplasia, Epithelial
Lung	Submucosa	Cyst, Nos
		Inflammation, Acute
Lymph node	Bronchial Lymph Node	Abscess, Nos
	Mediastinal Lymph Node	Abscess, Nos
Nasal cavity		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Uterus		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium Meninges	Atrophy, Nos Perivascular Cuffing
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mandibular Lymph Node	Hyperplasia, Nos Plasmacytosis
Nasal cavity		Empyema Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Ovary		Cyst, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Urinary bladder	Submucosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Lymph node	Bronchial Lymph Node	Hyperplasia, Nos
	Mesenteric Lymph Node	Inflammation, Suppurative
Ovary		Inflammation, Suppurative
Spleen		Hematopoiesis
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
		Perivascular Cuffing
Heart	Cardiac Valve	Degeneration, Mucoid
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid
Nasal cavity		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Cyst, Nos
	Mesovarium	Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_019

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Harderian gland	Hardarian Gland	Papillary Adenoma
Heart	Cardiac Valve	Degeneration, Muroid
Mammary gland		Dilatation, Ducts
Nasal cavity		Empyema
	Nasal Gland	Hyperplasia, Epithelial
		Hyperplasia, Nos
		Inflammation, Chronic
		Regeneration, Nos
Pituitary gland		Carcinoma, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct Nasolacrimal Duct	Hyperkeratosis Hyperplasia, Epithelial
Harderian gland	Hardarian Gland	Papillary Adenoma
Larynx	Submucosa	Cyst, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity	Nasal Gland Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Trachea		Cyst, Nos
Uterus		Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_021

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity	Nasal Gland	Cyst, Nos
		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Spleen		Congestion, Nos
Thyroid		Follicular-Cell Adenoma
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Lung	Submucosa	Cyst, Nos Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity	Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Ovary	Mesovarium	Inflammation, Chronic
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Endometrial Stromal Polyp Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_023

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Gall bladder		Necrosis, Nos
Harderian gland	Hardarian Gland	Papillary Adenoma
Kidney		Hemorrhage
Liver		Focal Cellular Change Hepatocellular Adenoma
Lung		Congestion, Acute Passive
Nasal cavity		Empyema Hyperplasia, Epithelial Inflammation, Chronic
Ovary		Metaplasia, Squamous
Pancreas		Inflammation, Suppurative
Uterus	Endometrium	Inflammation, Nos Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone	Skull	Hyperostosis
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Liver		Hepatocellular Adenoma
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity	Nasal Gland	Cyst, Nos Empyema Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Ovary	Mesovarium	Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Tooth	Periodontal Tissues	Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Lymphocytic Inflammatory Infiltrate
Larynx	Submucosa	Cyst, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity	Nasal Gland	Cyst, Nos Empyema Erosion Hyperplasia, Epithelial Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos Hyperplasia, Stromal
Ovary		Cyst, Nos
Trachea		Fibrosis
Uterus	Myometrium	

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Heart	Cardiac Valve	Degeneration, Mucoïd
Lung		Bronchiolization
	Submucosa	Cyst, Nos
		Inflammation, Chronic
		Mineralization
Nasal cavity	Nasal Gland	Cyst, Nos
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
Stomach	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Alveolar/Bronchiolar Carcinoma
		Histiocytosis
		Inflammation, Chronic
Nasal cavity	Nasal Gland	Cyst, Nos
		Empyema
		Erosion
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Ovary		Cyst, Hemorrhagic
Trachea		Cyst, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Lung		Hyperplasia, Lymphoid
Nasal cavity		Hyperplasia, Epithelial Inflammation, Chronic Metaplasia, Squamous
Pituitary gland		Adenoma, Nos
Skeletal muscle	Hip/Thigh	Hemangiosarcoma
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_029

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Cortex Nos
Capsule

Degeneration, Nos
Fibrosis
Hyperplasia, Nos

Ovary

Cyst, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

Uterus

Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Necrosis, Nos
Lung		Squamous Cell Carcinoma
Lymph node	Mesenteric Lymph Node Mesenteric Lymph Node Bronchial Lymph Node Mandibular Lymph Node	Hematopoiesis Hemorrhage Hyperplasia, Nos Hyperplasia, Nos
Nasal cavity	Nasal Gland Nasal Gland	Cyst, Nos Empyema Hyperplasia, Epithelial Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Pancreas		Atrophy, Nos Inflammation, Nos
Peritoneum		Inflammation, Nos
Pituitary gland		Carcinoma, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Follicular Cell
Trachea		Cyst, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Lung	Pleura Nos	Inflammation, Suppurative Inflammation, Suppurative
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Hyperplasia, Epithelial Inflammation, Chronic
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Pituitary gland		Carcinoma, Nos
Thymus		Inflammation, Suppurative
Tooth		Dysplasia, Nos Inflammation, Nos
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos Multiple Organs Nos	Inflammation, Suppurative Lymphoma, Nos-Malignant
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma Hyperplasia, Lymphoid Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Thyroid		Cyst, Nos
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Endometrial Stromal Polyp Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_033

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Larynx		Hyperplasia, Epithelial
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial Inflammation, Chronic Metaplasia, Squamous
Ovary	Mesovarium	Inflammation, Chronic
Pituitary gland		Hyperplasia, Nos
Spleen		Lymphoma, Mixed-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Kidney		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
	Nasal Gland	Hyperplasia, Epithelial
		Hyperplasia, Nos
		Inflammation, Chronic
Ovary		Cyst, Nos
	Mesovarium	Inflammation, Chronic
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Thalamus	Deformity, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
Nasal cavity		Empyema
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
Ovary		Cyst, Nos
Pituitary gland		Carcinoma, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_036

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla Capsule	Hemorrhage Hyperplasia, Nos Hyperplasia, Granulocytic
Bone marrow		Mineralization
Brain	Thalamus	Hemorrhage
Kidney		Hepatocellular Carcinoma
Liver		Hyperplasia, Lymphoid
Lung		Hematopoiesis
Spleen		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_037

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
		Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Renal Lymph Node	Hyperplasia, Nos
Nasal cavity		Inflammation, Chronic
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_038

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Lung		Inflammation, Chronic
Nasal cavity		Hyperplasia, Epithelial
		Metaplasia, Squamous
Ovary		Inflammation, Suppurative
Pancreas		Hyperplasia, Diffuse
		Inflammation, Nos
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_039

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Heart	Cardiac Valve	Degeneration, Muroid
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous
Ovary		Cyst, Nos Inflammation, Suppurative
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_040

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Nasal cavity	Nasal Gland	Atrophy, Nos
Ovary		Cyst, Nos
Stomach	Glandular Stomach	Cyst, Nos
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_041

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
	Thalamus	Deformity, Nos
		Perivascular Cuffing
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Hyperplasia, Epithelial
		Inflammation, Chronic
Ovary		Cyst, Nos
		Teratoma, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Hyperplasia, Lymphoid
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_042

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Empyema
Heart	Cardiac Valve	Degeneration, Mucoïd
Kidney		Hemorrhage Lymphocytic Inflammatory Infiltrate
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Inflammation, Suppurative
Ovary		Inflammation, Nos
Peritoneum		
Stomach	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_043

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Capsule	Degeneration, Nos Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Ovary		Cyst, Nos
	Mesovarium	Inflammation, Chronic
Pituitary gland		Carcinoma, Nos
Thyroid		Cyst, Nos
Tooth	Periodontal Tissues	Inflammation, Chronic
Uterus	Endometrium Endometrium	Hyperplasia, Cystic Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
	Capsule	Inflammation, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Gall bladder		Inflammation, Nos
Kidney		Nephrosis, Nos
Lung	Submucosa	Cyst, Nos
Nasal cavity	Nasal Gland	Cyst, Nos
		Empyema
		Erosion
		Inflammation, Chronic
Ovary		Metaplasia, Squamous
Pancreas		Inflammation, Suppurative
		Acinar-Cell Carcinoma
	Duct Nos	Inflammation, Chronic
Spleen		Hematopoiesis
Unspecified	Mediastinum Nos	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic
		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_045

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct Nasolacrimal Duct	Hyperplasia, Epithelial Inflammation, Chronic
Kidney		Nephrosis, Nos
Lung		Inflammation, Chronic
Nasal cavity		Empyema Erosion Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos Inflammation, Chronic Metaplasia, Squamous Regeneration, Nos
Parathyroid gland		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 5000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Capsule	Degeneration, Nos Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct Nasolacrimal Duct	Empyema Inflammation, Chronic
Liver		Hematopoiesis
Nasal cavity		Empyema Erosion Inflammation, Chronic
Peritoneum		Metaplasia, Squamous
Spleen		Inflammation, Nos Accessory Structure Hematopoiesis
Unspecified		Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_047

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Lung		Inflammation, Chronic
Nasal cavity		Empyema
		Erosion
	Nasal Gland	Hyperplasia, Epithelial
		Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_048

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Unspecified

Capsule
Multiple Organs Nos

Hematopoiesis
Hyperplasia, Nos
Lymphoma, Lymphocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_049

TRT#: 2
DOSE: 5000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Brain	Olfactory Sensory Epithelium	Atrophy, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Nasal cavity		Empyema
		Hyperplasia, Epithelial
	Nasal Gland	Hyperplasia, Nos
		Inflammation, Chronic
		Metaplasia, Squamous
		Regeneration, Nos
Pituitary gland		Hyperplasia, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_001

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate Sarcoma, Nos, Metastatic
Lung		Hyperplasia, Lymphoid Perivasculitis
Mammary gland		Dilatation, Ducts
Ovary		Teratoma, Nos
Pituitary gland		Adenoma, Nos
Salivary gland		Lymphocytic Inflammatory Infiltrate
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_002

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos Microphthalmia Lymphocytic Inflammatory Infiltrate Hemosiderosis Hyperplasia, Lymphoid Inflammation, Chronic Dilatation, Ducts Hyperplasia, Nos Cyst, Nos Inflammation, Chronic Hyperplasia, Cystic
Eye		
Kidney		
Liver		
Lung		
Mammary gland		
Pituitary gland		
Trachea		
Urinary bladder	Submucosa	
Uterus	Endometrium	

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_003

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Gall bladder		Inflammation, Nos
Lung		Congestion, Acute Passive
		Lymphocytic Inflammatory Infiltrate
Lymph node	Mediastinal Lymph Node	Necrosis, Focal
Ovary		Inflammation, Suppurative
Pancreas		Inflammation, Nos
Spleen		Hematopoiesis
	Capsule	Inflammation, Suppurative
Trachea		Cyst, Nos
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_004

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Harderian gland
Liver
Unspecified
Uterus

Capsule
Hardarian Gland
Multiple Organs Nos
Endometrium

Hyperplasia, Nos
Adenoma, Nos
Hepatocellular Carcinoma
Lymphoma, Histiocytic-Malignant Type
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_005

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lymph node
Skeletal muscle
Stomach
Unspecified

Mesenteric Lymph Node
Forestomach
Multiple Organs Nos

Hemorrhage
Inflammation, Acute
Hyperkeratosis
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_006

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Ovary
Unspecified

Multiple Organs Nos

Cyst, Nos
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_007

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Cytoplasmic Vacuolization
Lung		Hyperplasia, Lymphoid Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Mammary gland		Dilatation, Ducts
Stomach	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Capsule	Hyperplasia, Nos
Eye	Cornea	Hyperplasia, Epithelial
Lung		Emphysema, Alveolar
		Hyperplasia, Lymphoid
		Mineralization
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_009

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Heart		Inflammation, Suppurative
Kidney		Hemorrhage
Liver	Capsule	Inflammation, Nos
Lung		Inflammation, Suppurative
Lymph node	Renal Lymph Node	Hyperplasia, Nos
Ovary		Inflammation, Suppurative
Spleen		Hematopoiesis
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_010

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid
		Inflammation, Chronic
Ovary		Cyst, Nos
		Inflammation, Chronic
Thyroid		Hyperplasia, Follicular Cell
Urinary bladder	Submucosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_011

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Cortex Nos

Fibrosis

Capsule

Hyperplasia, Nos

Heart

Cardiac Valve

Degeneration, Muroid

Ovary

Cyst, Nos

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Cortex Nos	Hyperplasia, Focal
	Capsule	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid
Pituitary gland		Hyperplasia, Nos
Thyroid		Hyperplasia, Follicular Cell
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos Inflammation, Nos
Bone marrow		Hyperplasia, Granulocytic
Liver		Hematopoiesis Inflammation, Acute Diffuse
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Acute
Spleen	Pleura Nos	Inflammation, Suppurative Hematopoiesis
Trachea		Cyst, Nos
Unspecified	Mediastinum Nos	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Heart	Cardiac Valve	Degeneration, Muroid
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid Inflammation, Chronic
Ovary		Cyst, Nos
Salivary gland		Lymphocytic Inflammatory Infiltrate
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Mineralization
Heart	Cardiac Valve	Degeneration, Muroid
Kidney		Nephrosis, Nos
Lung		Hyperplasia, Lymphoid
Pituitary gland		Adenoma, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_016

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Lung
Uterus

Capsule
Endometrium

Hyperplasia, Nos
Congestion, Acute Passive
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_017

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Deformity, Nos Perivascular Cuffing
Heart	Cardiac Valve	Degeneration, Muroid
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid Inflammation, Chronic
Ovary		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos Cyst, Nos
Ovary		Adenoma, Nos
Pituitary gland		Hyperplasia, Follicular Cell
Thyroid		Cyst, Nos
Trachea		Hyperplasia, Cystic
Uterus	Endometrium	

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Cortex Nos
Capsule

Degeneration, Nos
Fibrosis
Hyperplasia, Nos

Pituitary gland

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_020

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Unspecified
Uterus

Capsule
Multiple Organs Nos
Endometrium

Hyperplasia, Nos
Lymphoma, Nos-Malignant
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_021

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Mineralization
Liver		Hematopoiesis
		Inflammation, Nos
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Unspecified		Inflammation, Chronic
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_022

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Deformity, Nos
Liver		Hematopoiesis
		Hepatocellular Carcinoma
		Necrosis, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Inflammation, Suppurative
Lymph node	Bronchial Lymph Node	Inflammation, Suppurative
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Pituitary gland		Carcinoma, Nos
Spleen		Hematopoiesis
Unspecified	Mediastinum Nos	Inflammation, Suppurative
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_023

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Mineralization
Heart	Cardiac Valve	Degeneration, Muroid
Lung		Inflammation, Chronic
Stomach	Glandular Stomach	Cyst, Nos
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_024

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Mammary gland
Pituitary gland
Skin
Trachea
Unspecified
Uterus

Capsule

Multiple Organs Nos
Endometrium

Hyperplasia, Nos
Dilatation, Ducts
Adenoma, Nos
Inflammation, Nos
Cyst, Nos
Lymphoma, Mixed-Malignant Type
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_025

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Cortex Nos
Capsule

Degeneration, Nos
Fibrosis
Hyperplasia, Nos
Hepatocellular Adenoma
Dilatation, Ducts
Adenoma, Nos
Lymphoma, Nos-Malignant

Liver

Mammary gland

Pituitary gland

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Cortex Nos
Capsule

Degeneration, Nos
Fibrosis
Hyperplasia, Nos

Kidney

Nephrosis, Nos

Mammary gland

Dilatation, Ducts

Pancreas

Hyperplasia, Diffuse

Pituitary gland

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Mixed-Malignant Type

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_027

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos Inflammation, Chronic
Lung		Adenoma, Nos
Pituitary gland		Inflammation, Chronic
Urinary bladder	Submucosa	Hyperplasia, Cystic
Uterus	Endometrium	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_028

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Brain	Cerebrum	Perivascular Cuffing
Lung		Hyperplasia, Lymphoid
Pancreas		Perivasculitis
Pituitary gland		Congestion, Acute Passive
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Stomach	Glandular Stomach	Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_030

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain		Perivascular Cuffing
Kidney		Lymphocytic Inflammatory Infiltrate
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Skeletal muscle	Intercostal Muscle	Inflammation, Suppurative
Spleen		Hematopoiesis
Uterus		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_031

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
Kidney		Cyst, Nos
Lung	Submucosa	Hyperplasia, Lymphoid Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid
Ovary		Papillary Cystadenoma, Nos
Pituitary gland		Adenoma, Nos
Thymus		Hyperplasia, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland

Capsule

Hyperplasia, Nos

Bone marrow

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_034

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Eye	Nasolacrimal Duct	Hyperplasia, Epithelial
Harderian gland	Hardarian Gland	Papillary Adenoma
Kidney		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Lymphoid
Ovary		Hemangioma
Pituitary gland		Hyperplasia, Nos
Thyroid		Hyperplasia, Follicular Cell
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Lymph node	Bronchial Lymph Node	Hyperplasia, Nos
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Lymphoid
Stomach	Glandular Stomach	Hyperplasia, Focal
Trachea		Cyst, Nos
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_036

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone	Rib	Chondrodystrophy
Brain	Thalamus Thalamus	Carcinoma, Nos, Metastatic Deformity, Nos
Clitoral gland		Inflammation, Necrotizing
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Dilatation, Ducts
Ovary		Cyst, Nos
Pituitary gland		Carcinoma, Nos
Trachea		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527

Test Type: Long-Term

Route: Inhalation

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Epoxybutane

CAS Number: 106-88-7

Date Report Requested: 10/26/2014

Time Report Requested: 11:30:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Inflammation, Suppurative
Gall bladder	Serosa	Inflammation, Nos
Heart	Cardiac Valve	Degeneration, Muroid
Kidney	Tubule	Cytoplasmic Aggregate, Nos Lymphocytic Inflammatory Infiltrate
Liver		Hematopoiesis
Lung		Bronchiolization Hyperplasia, Alveolar Epithelium Inflammation, Acute
Ovary		Hematopoiesis Inflammation, Suppurative
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Stomach	Capsule	Inflammation, Suppurative
Uterus	Forestomach Endometrium	Hyperkeratosis Hyperplasia, Cystic Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_038

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Cortex Nos
Capsule

Degeneration, Nos
Fibrosis
Hyperplasia, Nos

Brain

Thalamus

Deformity, Nos

Pituitary gland

Carcinoma, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Mixed-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_039

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Mineralization
Lung		Alveolar/Bronchiolar Carcinoma
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Trachea		Cyst, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_040

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lung
Pituitary gland
Uterus

Capsule

Endometrium

Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Lymphoid
Adenoma, Nos
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_041

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Deformity, Nos
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_042

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Heart	Cardiac Valve	Degeneration, Muroid
Lung		Alveolar/Bronchiolar Carcinoma
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Hemangiosarcoma
Urinary bladder	Submucosa	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_043

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Brain	Thalamus	Deformity, Nos
Kidney		Lymphocytic Inflammatory Infiltrate
Ovary		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_044

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Capsule

Degeneration, Nos
Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_045

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Mineralization
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart		Inflammation, Multifocal
Kidney	Tubule	Cytoplasmic Aggregate, Nos
	Papilla	Necrosis, Nos
		Pyelonephritis, Nos
Liver		Hematopoiesis
		Inflammation, Acute Diffuse
	Capsule	Inflammation, Nos
Lung		Mineralization
Lymph node	Bronchial Lymph Node	Hyperplasia, Nos
Ovary		Inflammation, Suppurative
Pancreas		Inflammation, Nos
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_046

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Fibrosis
	Capsule	Hyperplasia, Nos
Lung	Pleura Nos	Inflammation, Suppurative
Lymph node	Bronchial Lymph Node	Hematopoiesis
	Bronchial Lymph Node	Hyperplasia, Nos
	Mandibular Lymph Node	Hyperplasia, Nos
	Mandibular Lymph Node	Plasmacytosis
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Stomach	Forestomach	Squamous Cell Papilloma
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_047

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Capsule	Degeneration, Nos Fibrosis Hyperplasia, Nos
Liver		Hematopoiesis Hepatocellular Adenoma
Lymph node	Bronchial Lymph Node	Hyperplasia, Nos
Ovary		Cyst, Nos
Pituitary gland		Hyperplasia, Nos
Urinary bladder	Submucosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_048

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Ovary		Mixed Tumor, Benign
Stomach	Glandular Stomach	Cyst, Nos
	Forestomach	Hyperkeratosis
Trachea		Cyst, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_049

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Heart		Mineralization
Lung	Submucosa	Cyst, Nos
Mammary gland		Adenocarcinoma, Nos
Nasal cavity		Hyperplasia, Epithelial
Ovary		Granulosa-Cell Tumor
Spleen		Hematopoiesis
Thyroid		Cyst, Nos
		Hyperplasia, Follicular Cell
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55527
Test Type: Long-Term
Route: Inhalation
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,2-Epoxybutane
CAS Number: 106-88-7

Date Report Requested: 10/26/2014
Time Report Requested: 11:30:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_050

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Adenoma, Nos
	Cortex Nos	Cyst, Nos
	Capsule	Hyperplasia, Nos
Heart	Cardiac Valve	Degeneration, Muroid
Lung	Submucosa	Cyst, Nos
		Inflammation, Chronic
Lymph node	Bronchial Lymph Node	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
Ovary		Cyst, Nos
		Mixed Tumor, Benign
Trachea		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****