

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C50099

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Calcification, Nos

Heart

Myocardium Nos

Fibrosis

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Testis

Atrophy, Nos

Calcification, Focal

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Follicular-Cell Adenoma

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Periarteritis
Kidney		Nephropathy
	Medulla	Sarcoma, Nos
Larynx		Inflammation, Suppurative
Liver		Hematopoiesis
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Diffuse

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Brain	White Matter	Cytoplasmic Vacuolization
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Fibrosis, Focal
		Hyperplasia, Alveolar Epithelium
Nasal cavity		Inflammation, Chronic Focal
		Hyperplasia, Epithelial
Zymbal gland		Inflammation, Suppurative
		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
		Hyperplasia, Alveolar Epithelium
Nasal cavity		Hyperkeratosis
		Hyperplasia, Epithelial
		Inflammation, Suppurative
Testis		Calcification, Focal
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Ductus deferens

Vas Deferens Nos

Carcinoma, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Necrosis, Focal

Lung

Alveoli

Fibrosis, Multifocal

Hyperplasia, Alveolar Epithelium

Nasal cavity

Inflammation, Suppurative

Metaplasia, Squamous

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Angiectasis

Hyperplasia, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Hyperplasia, Epithelial
Nasal cavity		Hyperplasia, Epithelial
		Inflammation, Suppurative
Skin	Groin	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Unspecified	Groin	Lipoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Kidney

Nephropathy

Liver

Portal Tract

Fibrosis

Bile Duct

Hyperplasia, Nos

Lung

Alveolar/Bronchiolar Carcinoma

Fibrosis, Multifocal

Hyperplasia, Alveolar Epithelium

Pancreas

Alveoli

Inflammation, Chronic Focal

Acinus

Atrophy, Nos

Testis

Fibrosis, Diffuse

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos Artery Of Head Neck And Brain	Calcification, Focal Thrombosis, Nos
Bone	Sternum	Hyperplasia, Nos
Bone marrow		Atrophy, Nos
Heart	Ventricle	Dilatation, Nos
Kidney	Cortex	Inflammation, Suppurative Nephropathy
Liver	Portal Tract Bile Duct	Fibrosis Hyperplasia, Nos
Lymph node	Bronchial Lymph Node Mandibular Lymph Node	Angiectasis Fibrosis
Nasal cavity		Inflammation, Suppurative Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Spleen		Fibrosis, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytomegaly
	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Calcification, Nos
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Subpleural Tissue	Fibrosis, Focal
	Subpleural Tissue	Inflammation, Chronic Focal
Nasal cavity		Foreign Body, Nos
		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Kidney		Nephropathy
Larynx	Submucosa	Inflammation, Suppurative
Liver		Cytoplasmic Change, Eosinophilic
	Portal Tract	Fibrosis
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Focal
Testis		Atrophy, Focal
		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Lymph node	Bronchial Lymph Node	Angiectasis
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
		Papillary Adenoma
Pancreas	Acinus	Atrophy, Focal
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain	White Matter	Cytoplasmic Vacuolization
Larynx		Hyperplasia, Epithelial
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Inflammation, Chronic Focal
Lymph node	Bronchial Lymph Node	Angiectasis
Nasal cavity		Inflammation, Suppurative
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
		Cyst, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Kidney

Cortex Nos  
Cortex

Cytoplasmic Vacuolization  
Necrosis, Diffuse  
Nephropathy

Larynx

Inflammation, Chronic Focal

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Suppurative

Nasal cavity

Inflammation, Suppurative

Pituitary gland

Metaplasia, Squamous

Spleen

Adenoma, Nos

Unspecified

Multiple Organs Nos

Fibrosis, Focal

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Inflammation, Acute Suppurative
Lymph node	Bronchial Lymph Node	Angiectasis
Nasal cavity		Hyperplasia, Epithelial
		Metaplasia, Squamous
Pituitary gland		Hyperplasia, Nos
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Trachea		Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Myocardium Nos	Fibrosis
	Endocardium Nos	Hyperplasia, Focal
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Nasal cavity		Inflammation, Suppurative
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Preputial gland		Inflammation, Chronic Suppurative
		Metaplasia, Squamous
Seminal vesicle		Inflammation, Suppurative
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified		Granuloma, Foreign Body

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Nephropathy
Lung		Hemorrhage
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Lower Leg Nos	Congenital Malformation, Nos
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney  
Liver  
Nasal cavity

Myocardium Nos

Bile Duct

Prostate  
Skin

Flank  
Thigh

Testis

Pheochromocytoma  
Fibrosis  
Nephropathy  
Hyperplasia, Nos  
Foreign Body, Nos  
Hyperplasia, Epithelial  
Inflammation, Suppurative  
Metaplasia, Squamous  
Inflammation, Chronic  
Cyst, Epidermal Inclusion  
Fibroma  
Keratoacanthoma  
Hyperplasia, Interstitial Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytomegaly
Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Eosinophilic
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic Focal
Nasal cavity		Inflammation, Suppurative
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Larynx		Inflammation, Chronic Focal
Liver	Hepatocytes	Cytoplasmic Change, Eosinophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lymph node	Bronchial Lymph Node	Angiectasis
Mammary gland		Fibroma
Nasal cavity		Inflammation, Suppurative
Seminal vesicle		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain		Cytoplasmic Vacuolization
Kidney		Nephropathy
Larynx		Inflammation, Necrotizing
		Ulcer, Nos
Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Hemorrhage
		Inflammation, Suppurative
Lymph node	Bronchial Lymph Node	Hemorrhage
	Bronchial Lymph Node	Inflammation, Acute
Skin		Papilloma, Nos
Spleen		Infarct, Nos
		Necrosis, Nos
Stomach		Inflammation, Acute Necrotizing
		Necrosis, Focal
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Fibrosis
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytomegaly
	Medulla	Hyperplasia, Focal
Ear	Canal	Inflammation, Suppurative
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Larynx	Submucosa	Inflammation, Suppurative
Liver		Cytoplasmic Change, Basophilic
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Hyperplasia, Epithelial
Nasal cavity		Congestion, Acute
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
		Cyst, Nos
Seminal vesicle		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C50099

Test Type: Long-Term

Route: Inhalation

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Propylene oxide

CAS Number: 75-56-9

Date Report Requested: 10/26/2014

Time Report Requested: 11:31:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Brain	Olfactory Sensory Epithelium	Degeneration, Nos Hemorrhage Necrosis, Focal
Kidney		Nephropathy
Liver	Tubule Centrilobular Bile Duct	Pigmentation, Nos Degeneration, Nos Hyperplasia, Nos Necrosis, Focal
Lung		Fibrosis, Focal Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Nasal cavity		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Prostate		Hyperplasia, Epithelial
Testis		Hyperplasia, Interstitial Cell
Thymus		Atrophy, Nos
Unspecified	Multiple Organs Nos Multiple Organs Nos	Inflammation, Suppurative Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Pituitary gland

Seminal vesicle

Testis

Bile Duct

Nephropathy

Hyperplasia, Nos

Adenoma, Nos

Inflammation, Suppurative

Atrophy, Nos

Calcification, Nos

Interstitial-Cell Tumor

C-Cell Adenoma

Thyroid

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Lung

Nasal cavity

Pituitary gland

Testis

Unspecified

Nasolacrimal Duct

Axilla

Mediastinum Nos

Multiple Organs Nos

Cortical Adenoma

Metaplasia, Squamous

Nephropathy

Necrosis, Focal

Hyperplasia, Epithelial

Inflammation, Suppurative

Adenocarcinoma, Nos

Calcification, Focal

Atrophy, Nos

Calcification, Focal

Fibroma

Hemorrhage

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Kidney	Pelvis	Calcification, Focal
	Pelvis	Hyperplasia, Focal
		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Cystic Follicles

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Thrombosis, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar Macrophages
	Alveoli	Fibrosis, Multifocal
		Inflammation, Chronic Focal
Lymph node	Bronchial Lymph Node	Angiectasis
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Seminal vesicle		Inflammation, Suppurative
Spleen		Necrosis, Focal
Testis		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Angiectasis Angiectasis
Kidney	Cortex Nos Pelvis	Cytomegaly Hyperplasia, Epithelial Nephropathy
Larynx		Inflammation, Suppurative
Liver	Portal Tract	Fibrosis, Focal
Lung	Bile Duct Alveoli	Hyperplasia, Nos Fibrosis, Multifocal Hemorrhage
Nasal cavity		Inflammation, Suppurative Metaplasia, Squamous
Seminal vesicle		Inflammation, Suppurative
Testis		Calcification, Focal Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Fibrosis, Focal
		Nephropathy
Liver		Hepatocytomegaly
Lung		Calcification, Focal
		Inflammation, Chronic Focal
Nasal cavity		Hyperplasia, Epithelial
		Inflammation, Suppurative
Pituitary gland		Cyst, Nos
Spleen		Necrosis, Focal
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Nasal cavity		Foreign Body, Nos
		Hyperplasia, Focal
		Inflammation, Suppurative
Seminal vesicle		Metaplasia, Squamous
		Hyperplasia, Epithelial
		Inflammation, Suppurative
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
	Scrotum Nos	Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Calcification, Nos
Bone marrow		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Lung		Inflammation, Suppurative
Lymph node	Bronchial Lymph Node	Hemorrhage
	Bronchial Lymph Node	Inflammation, Acute
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Trachea	Submucosa	Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Calcification, Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Brain	White Matter	Cytoplasmic Vacuolization
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Cytomegaly
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Cyst, Nos
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Kidney  
Liver  
Nasal cavity  
Spleen  
Testis

Pulmonary Artery Nos

Hepatocytes

Calcification, Nos  
Nephropathy  
Cytoplasmic Change, Eosinophilic  
Inflammation, Suppurative  
Hyperplasia, Lymphoid  
Atrophy, Nos  
Calcification, Focal  
Interstitial-Cell Tumor  
Follicular-Cell Adenoma  
Fibroma

Thyroid  
Unspecified

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Lung

Inflammation, Suppurative

Nasal cavity

Inflammation, Suppurative

Pituitary gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Blood vessel	Coronary Artery Nos	Metaplasia, Cartilaginous
Heart	Myocardium Nos	Fibrosis
Kidney	Pelvis	Dilatation, Nos
	Pelvis	Hyperplasia, Epithelial
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Nasal cavity		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
		Fibrosis, Multifocal
Skin	Groin	Cyst, Epidermal Inclusion
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Mesothelioma, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Gliosis
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Focal
Stomach		Acanthosis
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Calcification, Focal

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Eosinophilic

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic Focal

Nasal cavity

Inflammation, Suppurative

Testis

Metaplasia, Squamous

Atrophy, Nos

Calcification, Focal

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Mesothelioma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Intestine Large

Kidney

Lung

Pancreas

Testis

Zymbal gland

Nasolacrimal Duct

Colon

Subpleural Tissue

Pheochromocytoma

Metaplasia, Squamous

Parasitism

Nephropathy

Alveolar Macrophages

Fibrosis

Hyperplasia, Alveolar Epithelium

Fibrosis, Focal

Atrophy, Nos

Calcification, Focal

Interstitial-Cell Tumor

Papilloma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytomegaly
Brain	Olfactory Sensory Epithelium	Degeneration, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Lymph node		Inflammation, Acute/Chronic
Mammary gland		Galactocele
Stomach		Hyperplasia, Epithelial
Trachea		Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C50099

Test Type: Long-Term

Route: Inhalation

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Propylene oxide

CAS Number: 75-56-9

Date Report Requested: 10/26/2014

Time Report Requested: 11:31:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Fibrosis, Focal
		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic Focal
Nasal cavity		Hyperplasia, Epithelial
		Inflammation, Suppurative
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
		Fibrosis, Diffuse
		Granuloma, Foreign Body
	Islets	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Pituitary gland		Adenoma, Nos
Seminal vesicle		Hyperplasia, Focal
Spleen		Fibrosis, Multifocal
Testis		Periarteritis
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Eosinophilic
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung	Subpleural Tissue	Fibrosis, Focal
Nasal cavity		Congestion, Nos
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Spleen		Fibrosis, Focal
		Hyperplasia, Lymphoid
Testis		Atrophy, Nos
		Calcification, Focal
Thyroid		Interstitial-Cell Tumor
Unspecified	Diaphragm Nos	Hyperplasia, Follicular Cell
		Hemangioma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C50099

Test Type: Long-Term

Route: Inhalation

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Propylene oxide

CAS Number: 75-56-9

Date Report Requested: 10/26/2014

Time Report Requested: 11:31:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 400 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Kidney	Tubule	Degeneration, Nos
	Cortex	Necrosis, Diffuse
		Nephropathy
Liver		Angiectasis
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung	Subpleural Tissue	Fibrosis, Focal
	Alveoli	Fibrosis, Multifocal
		Hyperplasia, Alveolar Epithelium
Lymph node	Bronchial Lymph Node	Angiectasis
Nasal cavity		Hyperplasia, Epithelial
		Inflammation, Suppurative
		Metaplasia, Squamous
		Papillary Adenoma
Pancreas	Acinus	Atrophy, Focal
Seminal vesicle		Inflammation, Suppurative
Skin		Keratoacanthoma
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytomegaly

Cortex Nos

Cytoplasmic Vacuolization

Medulla

Hyperplasia, Focal

Brain

Hemorrhage

Necrosis, Focal

Kidney

Nephropathy

Liver

Necrosis, Focal

Nasal cavity

Inflammation, Suppurative

Metaplasia, Squamous

Pancreas

Fibrosis, Focal

Preputial gland

Abscess, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain		Hemorrhage
Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney	Tubule	Degeneration, Nos
		Nephropathy
Liver	Portal Tract	Fibrosis, Multifocal
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Nasal cavity		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
		Mesothelioma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Calcification, Nos
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		C-Cell Carcinoma, Metastatic
Nasal cavity		Inflammation, Acute
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Seminal vesicle		Inflammation, Suppurative
Spleen		Hyperplasia, Lymphoid
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Myocardium Nos	Fibrosis
	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Portal Tract	Fibrosis, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Calcification, Focal
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Stomach		Acanthosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	White Matter	Cytoplasmic Vacuolization
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Calcification, Focal
Seminal vesicle		Inflammation, Suppurative
Skin		Keratoacanthoma
Testis		Calcification, Focal
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Hyperplasia, Follicular Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney		Nephropathy
Larynx		Hyperplasia, Epithelial Inflammation, Suppurative
Liver	Portal Tract	Fibrosis, Focal
	Bile Duct	Hyperplasia, Focal
Lung	Pleura Nos	Alveolar Macrophages Fibrosis, Focal
	Alveoli	Fibrosis, Focal Fibrosis, Multifocal Hemorrhage Hyperplasia, Alveolar Epithelium
Nasal cavity		Inflammation, Acute Focal Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos Fibrosis
Testis		Atrophy, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Calcification, Focal
		Congestion, Nos
Nasal cavity		Hyperplasia, Focal
		Inflammation, Suppurative
Skin	Flank	Keratoacanthoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	White Matter	Cytoplasmic Vacuolization
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Nasal cavity		Metaplasia, Squamous
Peritoneum	Peritoneal Cavity Nos	Lipoma
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Follicular Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Olfactory Sensory Epithelium	Degeneration, Nos Hemorrhage
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Focal
Lung		Congestion, Nos
Mammary gland		Hyperplasia, Cystic
Spleen		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Calcification, Focal

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Hyperplasia, Nos

Prostate

Inflammation, Suppurative

Testis

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, Follicular Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung	Subpleural Tissue	Inflammation, Chronic Focal
Nasal cavity		Degeneration, Nos
		Hyperplasia, Epithelial
		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Carcinoma
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytomegaly
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Nasal cavity		Inflammation, Suppurative
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Stomach	Mucosa	Acanthosis
	Mucosa	Hyperkeratosis
Testis		Atrophy, Nos
		Calcification, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytomegaly Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
		Follicular-Cell Carcinoma, Metastatic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Blood vessel

Pulmonary Artery Nos

Calcification, Nos

Eye

Crystalline Lens

Calcification, Focal

Nasolacrimal Duct

Metaplasia, Squamous

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Testis

Atrophy, Nos

Calcification, Nos

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Portal Tract

Fibrosis

Bile Duct

Hyperplasia, Nos

Testis

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Urinary bladder

C-Cell Carcinoma

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Calcification, Focal

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Portal Tract

Fibrosis

Testis

Bile Duct

Hyperplasia, Nos

Atrophy, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Brain	White Matter	Cytoplasmic Vacuolization
Kidney	Cortex	Metamorphosis, Fatty
		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Suppurative
Salivary gland		Metamorphosis, Fatty
Seminal vesicle		Inflammation, Suppurative
Skin		Keratoacanthoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain		Hemorrhage
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
		Necrosis, Central
Lung		Inflammation, Interstitial
Lymph node		Inflammation, Acute/Chronic
Prostate		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
	Multiple Organs Nos	Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Blood vessel

Heart

Kidney

Liver

Pituitary gland

Skin

Testis

Unspecified

Aorta Nos

Myocardium Nos

Portal Tract

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Calcification, Focal

Fibrosis, Multifocal

Nephropathy

Cytoplasmic Change, Basophilic

Fibrosis

Hyperplasia, Nos

Hyperplasia, Nos

Papilloma, Nos

Atrophy, Nos

Calcification, Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Portal Tract

Fibrosis

Bile Duct

Hyperplasia, Nos

Nasal cavity

Foreign Body, Nos

Pituitary gland

Adenoma, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Mesothelioma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C50099

Test Type: Long-Term

Route: Inhalation

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Propylene oxide

CAS Number: 75-56-9

Date Report Requested: 10/26/2014

Time Report Requested: 11:31:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 200 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Kidney		Nephrosis, Nos
	Tubule	Pigmentation, Nos
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
		Necrosis, Central
Lung	Alveoli	Histiocytosis
Lymph node		Inflammation, Acute/Chronic
Mammary gland		Hyperplasia, Nos
Pancreas		Atrophy, Focal
Peritoneum	Peritoneal Cavity Nos	Necrosis, Fat
Prostate		Hyperplasia, Epithelial
Skeletal muscle		Degeneration, Nos
Spleen		Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
	Multiple Organs Nos	Leukemia, Mononuclear Cell
		Necrosis, Fat
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Suppurative
	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Brain	White Matter	Cytoplasmic Vacuolization
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Kidney	Medulla	Metamorphosis, Fatty Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Hyperplasia, Focal
Testis		Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney	Tubule	Necrosis, Diffuse Nephropathy
Liver	Portal Tract Bile Duct	Cytoplasmic Change, Eosinophilic Fibrosis Hyperplasia, Nos Adenoma, Nos Fibrosis, Focal Hyperplasia, Interstitial Cell Fibroma
Pituitary gland		
Spleen		
Testis		
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Lipoid

Heart

Fibrosis

Kidney

Nephropathy

Larynx

Hyperplasia, Epithelial

Lymph node

Inflammation, Chronic

Pituitary gland

Inflammation, Acute/Chronic

Testis

Adenoma, Nos

Trachea

Atrophy, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Nephropathy

Liver

Portal Tract

Fibrosis

Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Nasal cavity

Inflammation, Suppurative

Testis

Atrophy, Nos

Calcification, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Nos
Brain	White Matter	Cytoplasmic Vacuolization
Intestine Small	Ileum, Ileum	Mucinous Adenocarcinoma
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Nasal cavity		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
		Inflammation, Chronic Focal
Prostate		Calcification, Focal
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Intestine Small	Duodenum	Mucinous Adenocarcinoma
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Suppurative
Nasal cavity		Inflammation, Suppurative
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Cardiac Valve	Metaplasia, Cartilaginous
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Eosinophilic
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Peritoneum		Necrosis, Fat
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct Nasolacrimal Duct	Inflammation, Suppurative Metaplasia, Squamous
Kidney		Nephropathy
Larynx		Hyperplasia, Focal Inflammation, Suppurative
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Hyperkeratosis
Seminal vesicle		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Larynx

Liver

Lung

Mammary gland

Peritoneum

Pituitary gland

Testis

Bile Duct

Nephropathy

Inflammation, Suppurative

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Hemorrhage

Fibroadenoma

Necrosis, Fat

Cyst, Nos

Atrophy, Nos

Calcification, Focal

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Salivary gland		Atrophy, Focal
Spleen		Fibrosis, Focal
		Hemangioma
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Pituitary gland		Cyst, Nos
Prostate		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Sarcoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Cortex Nos

Cytomegaly  
Nephropathy  
Cytoplasmic Vacuolization

Nasal cavity  
Testis  
Unspecified

Bile Duct

Hyperplasia, Nos  
Inflammation, Suppurative  
Atrophy, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Brain	Olfactory Sensory Epithelium	Degeneration, Nos
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Larynx		Inflammation, Suppurative
Liver		Degeneration, Lipoid
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Congestion, Nos
Lymph node		Plasmacytosis
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Seminal vesicle		Inflammation, Suppurative
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
Thymus		Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Central
Lung		Inflammation, Interstitial
Lymph node		Inflammation, Acute/Chronic
Nasal cavity		Inflammation, Suppurative
Stomach		Inflammation, Focal
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Thymus		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
		Metaplasia, Squamous
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Large  
Kidney  
Liver

Myocardium Nos  
Colon

Portal Tract  
Bile Duct

Lung  
Mammary gland  
Nasal cavity  
Unspecified

Multiple Organs Nos

Pheochromocytoma  
Fibrosis  
Parasitism  
Nephropathy  
Cytoplasmic Change, Basophilic  
Fibrosis  
Hyperplasia, Nos  
Congestion, Nos  
Fibroadenoma  
Inflammation, Suppurative  
Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	White Matter	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
Lung		Alveolar Macrophages
Pancreas	Acinus	Atrophy, Nos
Skin		Inflammation, Pyogranulomatous
Spleen		Fibrosis, Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain		Glioma, Nos
Heart	Myocardium Nos	Fibrosis
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Spleen		Fibrosis, Focal
Testis		Atrophy, Nos
		Calcification, Nos
		Hemorrhage
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Fibrosis, Focal
		Hyperplasia, Alveolar Epithelium
Nasal cavity		Inflammation, Suppurative
Pancreas	Islets	Hyperplasia, Focal
Peritoneum		Necrosis, Fat
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Suppurative
	Nasolacrimal Duct	Metaplasia, Squamous
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Nos
		Neurilemoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Cardiac Valve	Metaplasia, Cartilaginous
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytomegaly

Kidney

Nephropathy

Liver

Hepatocytes

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Nasal cavity

Congestion, Nos

Pancreas

Acinus

Atrophy, Focal

Seminal vesicle

Inflammation, Suppurative

Testis

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Fibrosarcoma
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
Seminal vesicle		Inflammation, Suppurative
Spleen		Hyperplasia, Lymphoid
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Brain

Cortex Nos

Cytomegaly  
Glioma, Nos  
Hemorrhage

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Alveolar Epithelium

Seminal vesicle

Inflammation, Acute Suppurative

Spleen

Necrosis, Focal

Testis

Atrophy, Nos

Calcification, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Blood vessel

Pulmonary Artery Nos

Calcification, Focal

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Islets

Islet-Cell Adenoma

Seminal vesicle

Inflammation, Suppurative

Testis

Atrophy, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytomegaly

Heart

Cardiac Valve

Metaplasia, Cartilaginous

Kidney

Nephropathy

Liver

Portal Tract

Fibrosis

Lung

Bile Duct

Hyperplasia, Nos

Nasal cavity

Hyperplasia, Alveolar Epithelium

Inflammation, Chronic Focal

Prostate

Foreign Body, Nos

Inflammation, Suppurative

Testis

Inflammation, Chronic Focal

Atrophy, Nos

Unspecified

Interstitial-Cell Tumor

Inflammation, Chronic Focal

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Nasal cavity		Foreign Body, Nos
		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
Spleen		Fibrosis, Focal
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Trachea	Submucosa	Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Metaplasia, Squamous
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Nasal cavity		Degeneration, Nos
Pituitary gland		Adenoma, Nos
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Trachea	Submucosa	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney	Cortex	Inflammation, Suppurative Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Axillary Lymph Node	Hemorrhage
Nasal cavity		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Focal
Stomach		Acanthosis
Testis		Atrophy, Nos
Unspecified	Mediastinum Nos	Inflammation, Necrotizing
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Suppurative
Nasal cavity		Foreign Body, Nos
		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach		Inflammation, Focal
	Mucosa	Ulcer, Nos
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Trachea	Submucosa	Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Larynx	Submucosa	Inflammation, Suppurative
Liver		Clear-Cell Change
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung	Bronchiole	Inflammation, Suppurative
Nasal cavity		Degeneration, Nos
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Nasal cavity		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Necrosis, Focal
Brain		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative
Spleen		Necrosis, Focal
Stomach	Mucosa	Ulcer, Nos
		Ulcer, Nos
Testis		Atrophy, Nos
		Calcification, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic Focal
	Aortic Valve Nos	Metaplasia, Cartilaginous
Kidney	Cortex	Fibrosis, Diffuse
		Nephropathy
	Tubule	Regeneration, Nos
Liver	Bile Duct	Hyperplasia, Diffuse
Lung		Inflammation, Chronic Focal
Pancreas		Fibrosis, Focal
Testis		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Heart  
Kidney

Pulmonary Artery Nos  
Aortic Valve Nos

Calcification, Focal  
Metaplasia, Cartilaginous  
Nephropathy

Liver  
Lung  
Pancreas  
Pituitary gland  
Testis

Tubule  
Bile Duct  
Alveoli

Regeneration, Nos  
Hyperplasia, Focal  
Hemorrhage  
Fibrosis, Diffuse  
Cyst, Nos  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

**OBSERVATIONS**

Heart		Fibrosis, Multifocal Inflammation, Chronic
Kidney	Tubule	Dilatation, Nos Inflammation, Chronic Focal Nephropathy
Liver	Tubule Bile Duct Bile Duct	Regeneration, Nos Hyperplasia, Focal Inflammation, Multifocal
Lung	Alveoli	Congestion, Nos Fibrosis, Focal Hyperplasia, Alveolar Epithelium Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Focal
Pancreas		Fibrosis, Multifocal
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Multifocal
Intestine Large	Cecum, Colon	Infarct, Focal
	Cecum, Colon	Necrosis, Focal
Kidney	Tubule	Degeneration, Nos
		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
	Pleura Nos	Fibrosis, Focal
		Hemorrhage
Pancreas		Fibrosis, Focal
Pituitary gland		Adenoma, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Ductus deferens

Vas Deferens Nos

Hemorrhage

Heart

Vas Deferens Nos

Necrosis, Fat

Kidney

Myocardium Nos

Fibrosis, Diffuse

Liver

Portal Tract

Nephropathy

Bile Duct

Fibrosis, Multifocal

Bile Duct

Hyperplasia, Focal

Lung

Inflammation, Chronic Focal

Pituitary gland

Inflammation, Chronic Focal

Testis

Hyperplasia, Alveolar Epithelium

Adenoma, Nos

Atrophy, Nos

Calcification, Focal

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Thigh

Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis, Focal
	Myocardium Nos	Necrosis, Focal
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Diffuse
Spleen		Fibrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
		Hemosiderosis
Intestine Large	Colon	Parasitism
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Peritoneum	Peritoneal Cavity Nos	Hemorrhage
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

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Experiment Number: C50099

Test Type: Long-Term

Route: Inhalation

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,2-Propylene oxide

CAS Number: 75-56-9

Date Report Requested: 10/26/2014

Time Report Requested: 11:31:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_008

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Degeneration, Lipoid
Bone marrow		Hyperplasia, Nos
Kidney		Nephrosis, Nos
	Tubule	Pigmentation, Nos
Larynx		Foreign Body, Vegetable
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Acute/Chronic
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Interstitial
Lymph node		Inflammation, Acute/Chronic
Nasal cavity		Metaplasia, Squamous
Peritoneum	Peritoneal Cavity Nos	Necrosis, Fat
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Heart		Thrombosis, Nos
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Fibrosis, Focal
	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
Pancreas		Atrophy, Nos
		Hemorrhage
		Necrosis, Nos
Skeletal muscle	Head	Inflammation, Suppurative
Spleen		Hemorrhage
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
	Subpleural Tissue	Fibrosis, Focal
		Granuloma, Nos
Seminal vesicle		Hyperplasia, Alveolar Epithelium
Skin		Hyperplasia, Epithelial
Testis		Acanthosis
		Calcification, Focal
		Hyperplasia, Interstitial Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Multifocal
Kidney		Nephropathy
Lung		Congestion, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Foreign Body, Nos Inflammation, Suppurative Necrosis, Focal
Nasal cavity	Foreign Body, Nos
Pituitary gland	Adenoma, Nos
Testis	Hyperplasia, Interstitial Cell
Thyroid	Carcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C50099

Test Type: Long-Term

Route: Inhalation

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 1,2-Propylene oxide

CAS Number: 75-56-9

Date Report Requested: 10/26/2014

Time Report Requested: 11:31:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_013

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung	Subpleural Tissue	Fibrosis, Focal
Pituitary gland		Adenoma, Nos
Skin		Inflammation, Chronic Focal
Testis		Atrophy, Nos Interstitial-Cell Tumor
Thyroid		Mesothelioma, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
Urinary bladder		Leukemia, Mononuclear Cell Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_014

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Brain

Eye

Kidney

Liver

Nasal cavity

Prostate

Spleen

Testis

Nasolacrimal Duct

Bile Duct

Hypoplasia, Nos

Gliosis

Metaplasia, Squamous

Nephropathy

Hyperplasia, Nos

Inflammation, Suppurative

Hyperplasia, Nos

Pigmentation, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Pituitary gland  
Testis

Myocardium Nos

Fibrosis  
Nephropathy  
Cyst, Nos  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Liver

Lung

Hemorrhage

Nephropathy

Congestion, Nos

Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Larynx

Hypoplasia, Nos  
Nephropathy  
Foreign Body, Nos  
Inflammation, Suppurative

Liver  
Pancreas  
Pituitary gland  
Stomach

Bile Duct

Hyperplasia, Nos  
Atrophy, Focal  
Adenoma, Nos  
Inflammation, Suppurative  
Ulcer, Nos  
Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone marrow		Atrophy, Nos
Eye	Nasolacrimal Duct	Metaplasia, Squamous
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Intestine Large

Colon

Parasitism

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Necrosis, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Testis

Hyperplasia, Interstitial Cell

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	White Matter	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Nasal cavity		Hemorrhage
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney

Cortex Nos

Cytoplasmic Vacuolization  
Nephropathy  
Pigmentation, Nos

Liver  
Nasal cavity  
Pancreas  
Prostate  
Seminal vesicle  
Testis

Cytoplasmic Vacuolization  
Inflammation, Suppurative  
Fibrosis, Diffuse  
Inflammation, Suppurative  
Inflammation, Suppurative  
Atrophy, Nos  
Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes Bile Duct	Cytoplasmic Change, Basophilic Hyperplasia, Nos
Pancreas		Atrophy, Focal Fibrosis, Focal
Pituitary gland		Cyst, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified		Inflammation, Chronic Focal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Pituitary gland

Testis

Bile Duct

Nephropathy

Hyperplasia, Nos

Cyst, Nos

Atrophy, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Meninges	Thrombosis, Nos
Ear	Canal	Inflammation, Suppurative
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
	Cardiac Valve	Thrombosis, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Nos
Preputial gland		Inflammation, Suppurative
Spleen		Necrosis, Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis, Multifocal
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
	Alveoli	Fibrosis, Focal
		Inflammation, Chronic Focal
Pancreas		Fibrosis, Diffuse
Pituitary gland		Hyperplasia, Nos
Seminal vesicle		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Metaplasia, Squamous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Suppurative
		Necrosis, Focal
Lung		Alveolar/Bronchiolar Carcinoma
Testis		Calcification, Focal
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Blood vessel

Pulmonary Artery Nos

Calcification, Focal

Bone

Skull

Osteoma

Heart

Myocardium Nos

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Hepatocytomegaly

Pituitary gland

Inflammation, Chronic Focal

Testis

Adenoma, Nos

Thyroid

Hyperplasia, Interstitial Cell

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis

Bile Duct

Hyperplasia, Nos

Necrosis, Focal

Nasal cavity

Inflammation, Suppurative

Prostate

Hyperplasia, Nos

Seminal vesicle

Inflammation, Suppurative

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Nasal cavity

Pituitary gland

Seminal vesicle

Nephropathy

Cytoplasmic Vacuolization

Inflammation, Suppurative

Adenoma, Nos

Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Ear	Canal	Inflammation, Suppurative
Heart	Myocardium Nos	Fibrosis, Multifocal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Fibrosis, Multifocal
		Inflammation, Chronic Focal
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Brain

Degeneration, Lipoid  
Hyperplasia, Nos  
Hemorrhage  
Necrosis, Focal  
Pigmentation, Nos

Kidney

Tubule

Nephropathy  
Pigmentation, Nos  
Pyelonephritis, Acute

Liver

Bile Duct

Degeneration, Lipoid  
Hyperplasia, Nos  
Necrosis, Central

Nasal cavity

Inflammation, Suppurative

Stomach

Necrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Urinary bladder

Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Carcinoma
		Periarteritis
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Suppurative
Skin	Flank	Keratoacanthoma
Spleen		Fibrosis
		Fibrosis, Focal
		Hyperplasia, Lymphoid
Testis		Calcification, Focal
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Suppurative
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Testis		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Larynx

Liver

Pituitary gland

Seminal vesicle

Testis

Urinary bladder

Myocardium Nos

Bile Duct

Anterior Pituitary

Pheochromocytoma

Fibrosis

Nephropathy

Inflammation, Chronic Focal

Hyperplasia, Nos

Adenoma, Nos

Inflammation, Suppurative

Calcification, Focal

Hyperplasia, Interstitial Cell

Calculus, Unknown Gross Or Micro

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Heart

Pulmonary Artery Nos  
Myocardium Nos  
Cardiac Valve

Calcification, Focal  
Fibrosis, Focal  
Metaplasia, Cartilaginous  
Nephropathy  
Hyperplasia, Nos  
Inflammation, Suppurative  
Interstitial-Cell Tumor  
C-Cell Adenoma

Kidney  
Liver  
Prostate  
Testis  
Thyroid

Bile Duct

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Seminal vesicle		Calcification, Focal
		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Brain	White Matter	Cytoplasmic Vacuolization
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Alveolar Epithelium
Nasal cavity		Inflammation, Chronic Focal
Thyroid		Inflammation, Suppurative
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Pancreas

Prostate

Testis

Unspecified

Nasolacrimal Duct

Degeneration, Lipoid

Inflammation, Suppurative

Nephropathy

Pyelonephritis, Acute

Degeneration, Nos

Necrosis, Central

Thrombosis, Nos

Atrophy, Nos

Inflammation, Suppurative

Hyperplasia, Interstitial Cell

Osteosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytomegaly

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Myocardium Nos

Fibrosis

Liver

Portal Tract

Nephropathy

Pancreas

Bile Duct

Fibrosis

Pituitary gland

Hyperplasia, Nos

Testis

Atrophy, Focal

Unspecified

Cyst, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Multiple Organs Nos

Fibroma

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Pancreas		Atrophy, Focal
		Fibrosis, Focal
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Suppurative
Seminal vesicle		Inflammation, Chronic Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified		Fibroma
Urinary bladder		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Suppurative
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Centrilobular	Degeneration, Nos
Lymph node		Inflammation, Acute/Chronic
Nasal cavity		Thrombosis, Nos
Spleen		Hemorrhage
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Necrosis, Focal

Kidney

Pheochromocytoma

Liver

Nephropathy

Pancreas

Islets

Cytoplasmic Vacuolization

Testis

Islet-Cell Adenoma

Atrophy, Nos

Calcification, Focal

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Cardiac Valve

Metaplasia, Cartilaginous

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Portal Tract

Fibrosis

Hepatocytomegaly

Bile Duct

Hyperplasia, Nos

Pituitary gland

Hyperplasia, Nos

Seminal vesicle

Inflammation, Suppurative

Spleen

Hyperplasia, Lymphoid

Testis

Atrophy, Nos

Calcification, Focal

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Eye	Nasolacrimal Duct	Inflammation, Suppurative
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney	Tubule	Necrosis, Nos
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lung	Pleura Nos	Inflammation, Suppurative
Lymph node	Bronchial Lymph Node	Hemorrhage
Pancreas		Atrophy, Focal
Spleen	Follicles	Necrosis, Nos
Stomach	Submucosa	Hemorrhage
		Ulcer, Acute
Testis		Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Cerebellum Nos	Hemorrhage
	Cerebrum	Hemorrhage
Kidney		Nephropathy
Larynx		Inflammation, Suppurative
Liver	Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Suppurative
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Thyroglossal Duct
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Medulla

Hyperplasia, Focal

Nephropathy

Hyperplasia, Nodular

Bile Duct

Hyperplasia, Nos

Inflammation, Suppurative

Lymph node  
Seminal vesicle  
Unspecified  
Urinary bladder

Bronchial Lymph Node

Hemorrhage

Inflammation, Suppurative

Multiple Organs Nos

Leukemia, Mononuclear Cell

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain	Glioma, Nos
Kidney	Nephropathy
Liver	Degeneration, Lipoid
Lung	Congestion, Nos
Nasal cavity	Inflammation, Acute Suppurative
Pituitary gland	Adenoma, Nos
Seminal vesicle	Inflammation, Acute Suppurative
Thymus	Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos Cardiac Valve	Fibrosis, Focal Metaplasia, Cartilaginous Nephropathy
Kidney		Hyperplasia, Nos
Liver	Bile Duct	Alveolar Macrophages Inflammation, Chronic Focal
Lung		Atrophy, Focal
Pancreas		Cyst, Nos
Pituitary gland		Atrophy, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart

Cortex Nos  
Myocardium Nos

Cytomegaly  
Fibrosis  
Metaplasia, Cartilaginous

Kidney  
Liver

Portal Tract  
Bile Duct

Nephropathy  
Fibrosis  
Hyperplasia, Nos  
Adenoma, Nos  
Inflammation, Chronic Suppurative

Pituitary gland  
Seminal vesicle  
Testis

Atrophy, Nos  
Interstitial-Cell Tumor

Thyroid  
Unspecified

Multiple Organs Nos

Hyperplasia, C Cell  
Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50099

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1,2-Propylene oxide

**CAS Number:** 75-56-9

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 11:31:30

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Metaplasia, Squamous
Kidney		Nephropathy
Liver		Angiectasis
	Hepatocytes	Clear-Cell Change
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
	Subpleural Tissue	Inflammation, Focal
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Seminal vesicle		Inflammation, Chronic Suppurative
Spleen		Fibrosis, Focal
		Hemorrhage
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified		Cyst, Epidermal Inclusion
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE