

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

C Number:	C03689B
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_001

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lung

Nasal cavity
Seminal vesicle
Testis
Unspecified

Turbinate Nos

Adipose Tissue

Pheochromocytoma
Inflammation, Chronic
Alveolar/Bronchiolar Carcinoma
Pneumonia, Chronic Murine
Inflammation, Acute Suppurative
Dilatation, Nos
Atrophy, Nos
Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lymph node
Prostate
Trachea

Bile Duct
Mandibular Lymph Node

Hyperplasia, Focal
Inflammation, Chronic
Hyperplasia, Nos
Hyperplasia, Lymphoid
Inflammation, Chronic
Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_003

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Bile Duct

Lipoidosis
Inflammation, Chronic
Hyperplasia, Nos
Hyperplasia, Nos
Hyperplasia, Nos
Inflammation, Chronic

Parathyroid gland
Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_005

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Pyelonephritis, Chronic
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Chronic
Prostate		Inflammation, Chronic
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Aspermatogenesis
Trachea		Inflammation, Chronic Suppurative
Urinary bladder		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_006

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Lipoidosis Pheochromocytoma
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
Parathyroid gland		Hyperplasia, Nos
Seminal vesicle		Inflammation, Chronic
Thymus		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Prostate

Lipoidosis

Thyroid

Inflammation, Acute

Unspecified

C-Cell Adenoma

Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_008

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Thymus		Atrophy, Nos
Trachea		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_009

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Bone marrow

Lipoidosis

Kidney

Hyperplasia, Hematopoietic

Lymph node

Inflammation, Chronic

Parathyroid gland

Mandibular Lymph Node

Hyperplasia, Lymphoid

Spleen

Hyperplasia, Nos

Testis

Hematopoiesis

Abscess, Nos

Thyroid

Atrophy, Nos

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Kidney

Lipoidosis

Lung

Inflammation, Chronic

Lymph node

Pneumonia, Chronic Murine

Testis

Mandibular Lymph Node

Hyperplasia, Lymphoid

Thyroid

Tunica Vaginalis

Atrophy, Nos

Mesothelioma, Nos

Periarteritis

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_011

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Nasal cavity	Turbinate Nos	Inflammation, Acute
Prostate		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_012

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Mixed Tumor, Malignant
Lymph node	Bronchial Lymph Node	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Lipoidosis
Kidney		Inflammation, Chronic
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
Pituitary gland		Chromophobe Adenoma
Testis		Atrophy, Nos
Trachea		Inflammation, Chronic
Urinary bladder		Inflammation, Chronic

PRIMARY CAUSE OF DEATH -

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_015

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Unspecified

Cortex Nos

Lipoidosis
Inflammation, Chronic
Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_016

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Lipoidosis
Pheochromocytoma
Inflammation, Chronic

Kidney

Liver

Trachea

Bile Duct

Hyperplasia, Nos
Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
Testis		Atrophy, Nos
	Tunica Vaginalis	Mesothelioma, Nos
Trachea		Inflammation, Chronic Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_018

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Nasal cavity
Pancreas
Spleen

Turbinate Nos
Islets

Inflammation, Acute
Islet-Cell Adenoma
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_019

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Lipoidosis

Heart

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pancreas

Periarteritis

Parathyroid gland

Hyperplasia, Nos

Testis

Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Spleen	Hematopoiesis
Testis	Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_022

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Spleen

Inflammation, Chronic
Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow	Hyperplasia, Hematopoietic
Kidney	Inflammation, Chronic
Pituitary gland	Cyst, Nos
Testis	Atrophy, Nos
Thymus	Atrophy, Nos
Unspecified	Fibroma

PRIMARY CAUSE OF DEATH -

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_024

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Kidney

Lipoidosis

Nasal cavity

Inflammation, Chronic

Parathyroid gland

Turbinates Nos

Inflammation, Acute Suppurative

Thyroid

Adenoma, Nos

Trachea

C-Cell Adenoma

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:04
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_025

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma
Lipoidosis
Inflammation, Chronic
Cirrhosis, Cardiac
Congestion, Chronic Passive
Cyst, Nos
Hyperplasia, Nos
Follicular-Cell Carcinoma

Kidney

Liver

Thyroid

Bile Duct

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_026

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Prostate
Spleen

Follicles

Inflammation, Acute
Atrophy, Nos
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
Trachea		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_029

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Nasal cavity
Testis

Turbinate Nos

Cortical Adenoma
Inflammation, Acute
Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_030

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Nasal cavity	Turbinates Nos	Inflammation, Acute
Prostate		Inflammation, Chronic
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_032

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel
Kidney
Nasal cavity

Pulmonary Artery Nos

Turbinate Nos

Calcification, Dystrophic
Liposarcoma
Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_033

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Cyst, Nos
Trachea		Inflammation, Acute Suppurative
Unspecified		Granuloma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_034

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Bile Duct

Nasal cavity
Parathyroid gland
Pituitary gland
Thyroid

Turbinates Nos

Pheochromocytoma
Inflammation, Chronic
Hepatocellular Adenoma
Hyperplasia, Nos
Hyperplasia, Nos
Inflammation, Acute
Adenoma, Nos
Adenoma, Nos
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Cortex Tubule Perirenal Tissue	Adenoma, Nos Degeneration, Nos Hemorrhage Hepatocellular Carcinoma Necrosis, Focal
Liver		Fibroadenoma
Mammary gland		Inflammation, Acute
Nasal cavity	Turbinate Nos	Ulcer, Acute
Stomach		Interstitial-Cell Tumor
Testis		Cystadenoma, Nos
Thyroid	Follicle	Fibroma
Unspecified		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Brain		Abscess, Chronic
Kidney	Tubule	Degeneration, Nos
Liver		Angiectasis
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
	Turbinate Nos	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Ulcer, Chronic
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Cytologic
Liver		Degeneration, Cytologic
Lung		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_005

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Kidney	Tubule	Degeneration, Nos
Liver		Hyperplasia, Nos
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Rhabdomyoma
Spleen		Hemosiderosis
		Inflammation, Chronic
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_007

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Spleen

Congestion, Nos
Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Liver		Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_009

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Spleen

Testis

Cortex Nos

Tubule

Tunica Vaginalis

Angiectasis

Lipoidosis

Degeneration, Nos

Metamorphosis, Fatty

Pneumonia, Chronic Murine

Fibroadenoma

Hemosiderosis

Inflammation, Chronic

Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_010

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Lipoidosis
Bone marrow		Hyperplasia, Hematopoietic
Eye	Cornea	Inflammation, Acute
	Retina	Inflammation, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Angiectasis
		Hepatocellular Adenoma
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Testis	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_015

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Inflammation, Chronic
Trachea		Abscess, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Lipoidosis
Kidney	Tubule	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
	Turbinate Nos	Squamous Cell Carcinoma
Skin		Cyst, Epidermal Inclusion
Testis		Atrophy, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Stomach		Ulcer, Acute
Testis	Tubule	Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_019

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Hemorrhagic
Trachea		Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Nasal cavity

Tubule
Turbinate Nos
Turbinate Nos

Degeneration, Nos
Inflammation, Acute Suppurative
Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_021

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Metamorphosis, Fatty
Nasal cavity	Turbinat Nos	Inflammation, Acute Suppurative
	Turbinat Nos	Squamous Cell Carcinoma
Skin	Nose	Squamous Cell Carcinoma, Metastatic
Spleen		Hematopoiesis
Stomach		Ulcer, Acute
Trachea		Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_022

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
Nasal cavity	Turbinate Nos	Inflammation, Acute Hemorrhagic
Spleen		Inflammation, Chronic
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_023

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Spleen

Pneumonia, Chronic Murine
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Squamous Cell Carcinoma, Metastatic
Heart		Calcification, Dystrophic
	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Dystrophic
	Tubule	Degeneration, Nos
Nasal cavity	Turbinate Nos	Squamous Cell Carcinoma
Skin	Nose	Squamous Cell Carcinoma, Metastatic
Spleen		Hemosiderosis
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Cornea	Inflammation, Acute
	Retina	Inflammation, Nos
Kidney	Tubule	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Skin		Fibroma
Testis		Atrophy, Nos
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_026

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Adenocarcinoma, Nos
Kidney		Calcification, Dystrophic
	Tubule	Degeneration, Nos
Liver		Degeneration, Nos
Lung		Transitional-Cell Carcinoma, Metastatic
Seminal vesicle		Abscess, Chronic
Testis		Atrophy, Nos
Unspecified	Adipose Tissue	Lipoma
Urinary bladder		Transitional-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos Inflammation, Acute Suppurative
Liver		Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
	Turbinate Nos	Squamous Cell Carcinoma
Spleen		Hemosiderosis
Stomach		Ulcer, Acute
Testis		Atrophy, Nos Calcification, Dystrophic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_029

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liposarcoma

Lung

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Degeneration, Nos
Nasal cavity	Turbinates Nos	Inflammation, Acute
Spleen		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
Spleen		Hematopoiesis
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart		Calcification, Dystrophic
Kidney	Tubule	Degeneration, Nos
Liver		Metamorphosis, Fatty
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_033

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
Spleen		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 5000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Lipoidosis
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos
Liver		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Atrophy, Nos
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Cystadenoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Regeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_002

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos
Liver		Atrophy, Nos
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinate Nos	Squamous Cell Carcinoma
Spleen		Hemosiderosis
Urinary bladder		Edema, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_003

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos Mineralization
Liver		Hyperplasia, Nos Metamorphosis, Fatty
Lung		Adenocarcinoma, Nos, Metastatic
Nasal cavity	Turbinates Nos	Adenocarcinoma, Nos
	Turbinates Nos	Inflammation, Acute Suppurative
Pancreas	Islets	Islet-Cell Adenoma
Spleen		Hemosiderosis
Thyroid		Cystadenoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_004

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos Mineralization
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos Turbinates Nos	Inflammation, Acute Suppurative Squamous Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Ulcer, Acute
Testis		Aspermatogenesis Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_005

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Endocardium Nos	Fibrosis
Kidney	Tubule	Atrophy, Nos
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
	Turbinate Nos	Squamous Cell Carcinoma
Skin	Nose	Squamous Cell Carcinoma, Invasive
Testis		Atrophy, Nos
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_007

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos Mineralization
Liver	Bile Duct	Hyperplasia, Nos Hyperplasia, Nos
Lung		Squamous Cell Carcinoma, Metastatic
Nasal cavity	Turbinate Nos Turbinate Nos	Inflammation, Acute Suppurative Squamous Cell Carcinoma
Spleen		Hemosiderosis Inflammation, Chronic
Stomach		Ulcer, Acute
Testis		Atrophy, Nos
Trachea		Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
	Turbinate Nos	Squamous Cell Carcinoma
Testis		Atrophy, Nos
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_009

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Cortex	Calcification, Dystrophic
	Tubule	Degeneration, Cytologic
	Pelvis	Mineralization
Liver		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
Prostate		Inflammation, Chronic
Spleen		Depletion, Lymphoid
		Hemosiderosis
Trachea		Inflammation, Acute Suppurative
Urinary bladder	Mucosa	Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung	Pneumonia, Chronic Murine
Testis	Atrophy, Nos
Thymus	Atrophy, Nos
Trachea	Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Spleen

Angiectasis
Hemangioma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lymph node
Nasal cavity
Prostate

Cortex Nos
Tubule

Mandibular Lymph Node
Turbinate Nos

Atrophy, Nos
Degeneration, Nos
Hyperplasia, Nos
Hyperplasia, Lymphoid
Squamous Cell Carcinoma
Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos
Spleen		Hematopoiesis
Testis		Atrophy, Nos
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hemorrhage
Kidney	Tubule	Degeneration, Cytologic
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Ulcer, Acute
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH -

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Lipoidosis Pheochromocytoma
Kidney	Tubule	Degeneration, Nos Angiectasis Hepatocellular Adenoma Hyperplasia, Nos
Liver		Metamorphosis, Fatty Cyst, Epidermal Inclusion
Skin		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_016

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Brain		Glioma, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinat Nos	Inflammation, Acute Suppurative
	Turbinat Nos	Squamous Cell Carcinoma
Trachea		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Tubule

Lung
Lymph node
Nasal cavity

Mandibular Lymph Node

Turbinate Nos

Turbinate Nos

Spleen
Testis

Angiectasis
Degeneration, Nos
Hyperplasia, Nos
Metamorphosis, Fatty
Pneumonia, Chronic Murine
Inflammation, Chronic
Inflammation, Acute Suppurative
Squamous Cell Carcinoma
Hematopoiesis
Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Hyperplasia, Nos
Nasal cavity	Turbinate Nos	Inflammation, Acute Suppurative
	Turbinate Nos	Squamous Cell Carcinoma
Spleen		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Cast, Nos

Spleen

Tubule

Degeneration, Nos

Stomach

Atrophy, Nos

Testis

Ulcer, Acute

Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Pneumonia, Chronic Murine
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Urinary bladder		Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_021

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver	Centrilobular	Necrosis, Nos
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liposarcoma

Mineralization

Liver

Hyperplasia, Nos

Lung

Pneumonia, Chronic Murine

Nasal cavity

Turbinates Nos

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Hematopoietic
Brain		Glioma, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Hyperplasia, Nos
		Metamorphosis, Fatty
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic
Testis		Atrophy, Nos
	Tunica Vaginalis	Mesothelioma, Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_025

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel	Aorta Nos	Metaplasia, Osseous
Brain		Abscess, Nos
		Adenocarcinoma, Nos, Metastatic
Eye		Adenocarcinoma, Nos, Metastatic
Kidney		Calcification, Dystrophic
	Tubule	Degeneration, Cytologic
Liver		Angiectasis
Lung		Alveolar/Bronchiolar Adenoma
		Pneumonia, Chronic Murine
Lymph node	Mandibular Lymph Node	Adenocarcinoma, Nos, Metastatic
Nasal cavity	Turbinates Nos	Adenocarcinoma, Nos
Prostate		Adenocarcinoma, Nos
Spleen		Atrophy, Nos
		Hemosiderosis
Testis	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Atrophy, Diffuse
Lung		Pneumonia, Chronic Murine
Spleen		Atrophy, Nos
		Hemosiderosis
Testis	Tunica Vaginalis	Mesothelioma, Nos
Trachea		Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Lung
Spleen

Tubule

Degeneration, Nos
Pneumonia, Chronic Murine
Atrophy, Nos
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_028

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Retina	Inflammation, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Hyperplasia, Nos
		Metamorphosis, Fatty
Nasal cavity	Turbinate Nos	Adenocarcinoma, Nos
	Turbinate Nos	Inflammation, Acute Suppurative
Stomach		Ulcer, Acute
Thymus		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Atrophy, Nos
		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Pneumonia, Aspiration

Nasal cavity

Turbinate Nos

Inflammation, Acute Suppurative

Turbinate Nos

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_031

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart
Kidney

Myocardium Nos

Tubule

Inflammation, Nos
Abscess, Nos
Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Lymph node	Mandibular Lymph Node	Squamous Cell Carcinoma, Metastatic
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Pituitary gland		Cyst, Nos
Spleen		Atrophy, Nos
		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_033

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Nasal cavity	Turbinates Nos	Inflammation, Acute Suppurative
	Turbinates Nos	Squamous Cell Carcinoma
Spleen		Atrophy, Nos
		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_034

TRT#: 3
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Nasal cavity
Parathyroid gland

Tubule
Turbinate Nos

Degeneration, Nos
Squamous Cell Carcinoma
Cyst, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03689B
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1,4-Dioxane
CAS Number: 123-91-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:21:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart		Calcification, Dystrophic
Kidney		Calcification, Dystrophic
	Tubule	Degeneration, Nos
Liver		Metamorphosis, Fatty
Spleen		Atrophy, Nos
		Hemosiderosis
Unspecified	Adipose Tissue	Lipoma

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****