

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

C Number: C55594

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C01

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Testicular Artery	Inflammation, Acute
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Lymph node	Mesenteric Lymph Node	Cyst, Nos
Nasal cavity	Turbinate Nos	Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C02

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Cytoplasmic Vacuolization Hyperplasia, Nos Pheochromocytoma
Blood vessel	Testicular Artery	Inflammation, Chronic
Eye	Retina	Atrophy, Nos
Harderian gland	Crystalline Lens Hardarian Gland	Cataract Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Histiocytosis
Nasal cavity		Inflammation, Chronic
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Spleen		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C03

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Lung	Bronchus	Histiocytosis
Nasal cavity	Turbinates Nos	Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C04

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity		Infection, Fungal
		Inflammation, Chronic
		Metaplasia, Squamous
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Stomach	Forestomach	Erosion
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C05

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
		Hemorrhage
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Nasal cavity	Turbinates Nos	Adenomatous Polyp, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C06

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Scar

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C07

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina Crystalline Lens	Atrophy, Nos Cataract Hemorrhage
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Cytologic Alteration, Nos Hyperplasia, Nos Pigmentation, Nos
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C08

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Kidney

Crystalline Lens

Cataract

Liver

Nephropathy

Scar

Lung

Bile Duct

Cytologic Alteration, Nos

Spleen

Hyperplasia, Nos

Histiocytosis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C09

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Inflammation, Chronic Focal
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
		Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Hyperplasia, Nos
		Inflammation, Chronic
Spleen		Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Follicular Cell
Urinary bladder	Serosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C10

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Heart		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Chronic
Stomach	Forestomach	Cyst, Nos
Unspecified	Neck	Neurilemoma
Urinary bladder		Hemorrhage
		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C11

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Lymph node	Mediastinal Lymph Node	Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
	Islets	Hyperplasia, Nos
Prostate		Hyperplasia, Nos
		Inflammation, Chronic
Spleen		Fibrosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C12

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Gastric Artery Nos	Inflammation, Chronic
Brain	Cerebrum	Cytoplasmic Vacuolization
Eye	Retina	Atrophy, Nos
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Lung	Bronchus	Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C13

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone		Hyperplasia, Nos
Bone marrow		Fibrosis, Myelo
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
		Hemorrhage
Heart	Sclera	Metaplasia, Osseous
Kidney	Endocardium Nos	Thrombosis, Nos
Liver		Nephropathy
Lymph node	Bile Duct	Hyperplasia, Nos
Nasal cavity	Mandibular Lymph Node	Hyperplasia, Lymphoid
		Infection, Fungal
		Inflammation, Acute
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Adenoma
Prostate		Adenoma, Nos
Spleen		Degeneration, Hyaline
		Pigmentation, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C14

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Bone	Skull	Hyperplasia, Focal
Eye	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Lung		Congestion, Nos
		Hemorrhage
Nasal cavity	Turbinate Nos	Inflammation, Chronic
Pancreas		Accessory Structure
	Duct Nos	Hyperplasia, Focal
Salivary gland		Inflammation, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C15

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Forestomach

Inflammation, Acute

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C16

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Granular-Cell Tumor, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hemorrhage
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C17

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Blood vessel	Testicular Artery	Inflammation, Chronic
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Larynx		Inflammation, Acute
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Squamous Cell Carcinoma
Preputial gland		Inflammation, Focal
Salivary gland		Histiocytosis
Spleen		Hyperplasia, Interstitial Cell
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C18

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Epididymis		Inflammation, Chronic
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
		Hemorrhage
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas	Acinus	Atrophy, Nos
Prostate		Hyperplasia, Nos
Spleen		Fibrosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C19

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Preputial gland

Inflammation, Chronic Focal

Testis

Inflammation, Acute

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C20

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Preputial gland

Inflammation, Acute

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C21

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Blood vessel	Hepatic Vein	Thrombosis, Nos
	Pulmonary Artery Nos	Thrombosis, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
Nasal cavity	Turbinate Nos	Inflammation, Chronic
	Turbinate Nos	Metaplasia, Osseous
Pancreas	Acinus	Atrophy, Nos
	Islets	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C22

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Heart		Inflammation, Chronic
Intestine Small	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Nasal cavity		Infection, Fungal
		Inflammation, Acute
		Metaplasia, Squamous
Spleen		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C23

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone		Hyperplasia, Nos
Bone marrow		Fibrosis, Myelo
Brain	Cerebrum	Granular-Cell Tumor, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Centrilobular	Necrosis, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C24

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Nasal cavity

Turbinate Nos

Inflammation, Chronic

Preputial gland

Inflammation, Acute

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C25

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Eye

Harderian gland

Kidney

Liver

Lung

Pancreas

Salivary gland

Testis

Urinary bladder

Cortex Nos

Aorta Nos

Testicular Artery

Retina

Crystalline Lens

Sclera

Hardarian Gland

Bile Duct

Hepatocytes

Cyst, Nos

Inflammation, Chronic

Inflammation, Chronic

Atrophy, Nos

Cataract

Hemorrhage

Metaplasia, Osseous

Inflammation, Chronic Focal

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Pneumonia, Interstitial Chronic

Cystic Ducts

Inflammation, Chronic

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C26

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Inflammation, Chronic Focal
Bone		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Preputial gland		Inflammation, Acute
Prostate		Inflammation, Acute
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C27

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Pigmentation, Nos
Liver	Centrilobular	Congestion, Nos
		Cytologic Alteration, Nos
		Neoplastic Nodule
Pancreas		Cystic Ducts
Skin		Inflammation, Acute Focal
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Pigmentation, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Unspecified	Lower Leg Nos	Osteosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C28

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma
		Histiocytosis
Pancreas		Inflammation, Chronic
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C29

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
		Mesothelioma, Nos
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Mesothelioma, Nos
Pancreas	Acinus	Atrophy, Nos
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C30

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Brain		Infarct, Nos
Epididymis		Mesothelioma, Nos
Heart	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Stomach	Forestomach	Erosion
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
		Mesothelioma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C31

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Bone		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
Prostate		Hyperplasia, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C32

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Preputial gland		Adenoma, Nos
Prostate		Hyperplasia, Nos
		Inflammation, Acute
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C33

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Inflammation, Chronic
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Peliosis Hepatis
Lung		Histiocytosis
		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C34

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Chronic
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Preputial gland		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thymus		Thymoma, Benign

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C35

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C36

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone		Hyperplasia, Nos
Bone marrow		Fibrosis, Myelo
Eye	Sclera	Metaplasia, Osseous
Liver	Centrilobular	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Acute
Spleen		Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C37

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Eye

Medulla

Pheochromocytoma

Harderian gland

Retina

Atrophy, Nos

Heart

Nasolacrimal Duct

Inflammation, Acute

Kidney

Hardarian Gland

Inflammation, Chronic Focal

Liver

Bile Duct

Fibrosis, Multifocal

Lung

Nephropathy

Nasal cavity

Hyperplasia, Nos

Preputial gland

Inflammation, Chronic Focal

Testis

Histiocytosis

Thyroid

Foreign Body, Vegetable

Inflammation, Acute

Inflammation, Acute

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C38

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Cornea	Inflammation, Acute
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Nasal cavity		Infection, Fungal
		Inflammation, Acute Diffuse
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C39

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Necrosis, Focal
Lung		Hepatocellular Carcinoma, Metastatic
Nasal cavity		Infection, Fungal
		Inflammation, Acute
Testis		Metaplasia, Squamous
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C40

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Harderian gland

Hardarian Gland

Inflammation, Chronic

Heart

Endocardium Nos

Thrombosis, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Preputial gland

Centrilobular

Necrosis, Nos

Spleen

Adenoma, Nos

Testis

Hematopoiesis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C41

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Heart

Fibrosis, Multifocal

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephropathy

Liver

Centrilobular

Congestion, Nos

Lymph node

Bile Duct

Hyperplasia, Nos

Testis

Mediastinal Lymph Node

Cyst, Nos

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C42

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Brain	Thalamus	Astrocytoma
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C43

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Pancreas		Inflammation, Chronic
Testis		Atrophy, Nos
		Hemorrhage
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C44

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Chronic
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mediastinal Lymph Node	Inflammation, Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C45

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Nasolacrimal Duct	Inflammation, Acute
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Preputial gland		Inflammation, Acute
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C46

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Prostate		Inflammation, Active Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C47

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Cyst, Nos
Pancreas	Acinus	Atrophy, Nos
Preputial gland		Hyperplasia, Nos
		Inflammation, Acute
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C48

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C49

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Nasal cavity		Hemorrhage
Testis		Atrophy, Nos
	Tubule	Mineralization
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C50

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Cortex Nos	Necrosis, Nos
	Medulla	Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
		Myxomatosis, Cardiac Valve
	Endocardium Nos	Thrombosis, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
Lymph node	Mesenteric Lymph Node	Cyst, Nos
Nasal cavity	Turbinates Nos	Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Preputial gland		Adenoma, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C01

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C02

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Peliosis Hepatis

Anterior Pituitary

Adenoma, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C03

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Congestion, Nos
	Centrilobular	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
	Centrilobular	Pigmentation, Nos
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Stomach	Forestomach	Inflammation, Acute
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C04

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C05

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Mammary gland		Galactocele
		Inflammation, Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C06

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Thrombosis, Nos
Eye	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C07

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lung		Hyperplasia, Adenomatous
		Thrombosis, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Angiectasis
Testis		Interstitial-Cell Tumor
	Tubule	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C08

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lung		Edema, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C09

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Lung

Congestion, Nos

Pancreas

Islets

Histiocytosis

Pituitary gland

Anterior Pituitary

Islet-Cell Carcinoma

Spleen

Adenoma, Nos

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C10

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma, Malignant

Eye

Sclera

Metaplasia, Osseous

Harderian gland

Harderian Gland

Inflammation, Acute

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Centrilobular

Necrosis, Nos

Spleen

Peliosis Hepatis

Testis

Congestion, Nos

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C11

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney
Liver

Medulla
Mesentery Nos

Bile Duct
Hepatocytes

Pheochromocytoma
Necrosis, Fat
Nephropathy
Hyperplasia, Nos
Hyperplasia, Nos
Peliosis Hepatis
Pigmentation, Nos
Adenoma, Nos
Hyperplasia, Nos

Pituitary gland

Anterior Pituitary
Anterior Pituitary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C12

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Epididymis		Inflammation, Chronic
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Active Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C13

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Lung		Thrombosis, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C14

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic
Intestine Small	Mesentery Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Capsule	Inflammation, Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C15

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Anterior Chamber	Inflammation, Acute
	Cornea	Inflammation, Acute
	Iris	Synechia, Posterior
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C16

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C17

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Hemorrhage
	Harderian Gland	Inflammation, Acute
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Nasal cavity		Infection, Fungal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Preputial gland		Inflammation, Acute
Spleen		Hematopoiesis
Stomach	Forestomach	Inflammation, Chronic
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C18

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Necrosis, Nos

Eye

Retina

Atrophy, Nos

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C19

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Sclera

Metaplasia, Osseous

Harderian gland

Hardarian Gland

Inflammation, Chronic

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Peliosis Hepatis

Spleen

Hyperplasia, Nos

Testis

Leukemia, Mononuclear Cell

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C20

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Inflammation, Granulomatous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C21

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Kidney		Pyelonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Nasal cavity	Nares	Squamous Cell Papilloma
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Spleen		Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C22

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye

Hemorrhage

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C23

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Medulla

Pheochromocytoma

Kidney

Retina

Atrophy, Nos

Liver

Sclera

Metaplasia, Osseous

Spleen

Testis

Bile Duct

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Peliosis Hepatis

Leukemia, Mononuclear Cell

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C24

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Harderian gland

Hardarian Gland

Inflammation, Chronic

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Spleen

Pigmentation, Nos

Testis

Histiocytosis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methyl carbamate
CAS Number: 598-55-0

Date Report Requested: 10/26/2014
Time Report Requested: 10:27:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_C25

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Tooth	Periodontal Tissues	Sarcoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C26

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Crystalline Lens Sclera	Cataract Metaplasia, Osseous Nephropathy
Kidney		Hyperplasia, Nos
Liver	Bile Duct	Necrosis, Nos
Spleen		Interstitial-Cell Tumor
Testis		Leukemia, Mononuclear Cell
Unspecified	Multiple Organs Nos	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C27

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Cortex Nos

Necrosis, Nos

Kidney

Choroid

Inflammation, Chronic

Liver

Bile Duct

Nephropathy

Mammary gland

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Acute

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Anterior Pituitary

Angiectasis

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C28

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Sclera

Metaplasia, Osseous

Harderian gland

Harderian Gland

Inflammation, Acute

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

Unspecified

Tubule

Mineralization

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C29

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye

Crystalline Lens

Cataract

Kidney

Sclera

Metaplasia, Osseous

Testis

Nephropathy

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C30

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Calcinosis, Circumscripta

Eye

Medulla

Pheochromocytoma, Malignant

Kidney

Sclera

Metaplasia, Osseous

Liver

Bile Duct

Nephropathy

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Spleen

Inflammation, Chronic Focal

Testis

Cyst, Nos

Fibrosis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C31

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Kidney

Nephropathy

Liver

Abscess, Nos

Bile Duct

Hyperplasia, Nos

Inflammation, Chronic Focal

Mammary gland

Thrombus, Organized

Spleen

Fibroadenoma

Testis

Fibrosis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C32

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Epididymis		Fibrosis, Focal
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C33

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Vertebra	Osteosarcoma
Heart		Inflammation, Chronic
Kidney		Nephropathy
Lung		Osteosarcoma, Metastatic
Thymus		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C34

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Medulla

Pheochromocytoma, Malignant

Kidney

Sclera

Metaplasia, Osseous

Liver

Hepatocytes

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Leukemia, Mononuclear Cell

Peliosis Hepatis

Preputial gland

Hyperplasia, Nos

Skin

Tail

Keratoacanthoma

Spleen

Fibrosis

Testis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C35

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Kidney		Edema, Nos
Lung		Congestion, Nos
Lymph node	Mediastinal Lymph Node	Inflammation, Acute
Prostate		Inflammation, Acute
Spleen		Pigmentation, Nos
Thymus		Atrophy, Nos
Urinary bladder		Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C36

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Hepatocytes

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C37

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C38

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C39

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Thrombosis, Nos
Eye	Sclera	Metaplasia, Osseous
Liver		Cytoplasmic Vacuolization
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spinal cord		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C40

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Fibrosis
		Pigmentation, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C41

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Hepatocytes

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C42

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Nos
Eye	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Skin	Nose	Basal-Cell Tumor
	Nose	Inflammation, Chronic
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Thorax	Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C43

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Medulla

Pheochromocytoma

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Harderian gland

Hardarian Gland

Inflammation, Active Chronic

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Hepatocytes

Hyperplasia, Nos

Preputial gland

Inflammation, Active Chronic

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C44

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Intestine Small
Kidney
Liver

Preputial gland

Spleen

Testis

Medulla
Sclera
Mesentery Nos

Bile Duct
Centrilobular

Pheochromocytoma
Metaplasia, Osseous
Necrosis, Fat
Nephropathy
Hyperplasia, Nos
Necrosis, Nos
Peliosis Hepatis
Hyperplasia, Nos
Inflammation, Acute
Hematopoiesis
Hyperplasia, Lymphoid
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C45

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Sclera

Metaplasia, Osseous

Liver

Bile Duct

Hyperplasia, Nos

Hepatocytes

Hyperplasia, Nos

Inflammation, Acute

Spleen

Fibrosis

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C46

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Brain

Medulla

Pheochromocytoma, Malignant

Eye

Sclera

Thrombosis, Nos

Harderian gland

Harderian Gland

Metaplasia, Osseous

Kidney

Inflammation, Acute

Liver

Bile Duct

Nephropathy

Pituitary gland

Hepatocytes

Hyperplasia, Nos

Unspecified

Anterior Pituitary

Hyperplasia, Nos

Multiple Organs Nos

Adenoma, Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C47

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Brain		Infarct, Nos
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Acute
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C48

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney

Medulla
Mesentery Nos
Pelvis

Pheochromocytoma, Malignant

Necrosis, Fat

Dilatation, Nos

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Testis

Hepatocytes

Hyperplasia, Nos

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C49

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C50

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hemorrhage

Heart

Cortex Nos

Inflammation, Acute

Kidney

Fibrosis, Multifocal

Liver

Nephropathy

Cytologic Alteration, Nos

Lung

Bile Duct

Hyperplasia, Nos

Pituitary gland

Pneumonia, Interstitial Chronic

Spleen

Anterior Pituitary

Hyperplasia, Nos

Testis

Pigmentation, Nos

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C01

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Seminal vesicle		Inflammation, Active Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C02

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Spleen		Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C03

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C04

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Infarct, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C05

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Thrombosis, Nos
Lung		Congestion, Nos
Oral mucosa	Palate	Cyst, Epidermal Inclusion
Spleen		Leukemia, Mononuclear Cell
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C06

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Endocardium Nos

Neurilemoma, Malignant

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Lung

Congestion, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C07

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain		Infarct, Nos
Eye	Retina	Atrophy, Nos
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Histiocytosis
Prostate		Inflammation, Acute
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C08

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Accessory Structure
	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Larynx		Inflammation, Acute
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Acute
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C09

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart		Fibrosis, Multifocal
Intestine Small	Jejunum	Fibrosis, Diffuse
	Jejunum	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lymph node	Mesenteric Lymph Node	Cyst, Nos
	Mesenteric Lymph Node	Hemorrhage
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C10

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Medulla

Pheochromocytoma

Kidney

Fibrosis, Multifocal

Liver

Nephropathy

Cytologic Alteration, Nos

Lung

Bile Duct

Hyperplasia, Nos

Preputial gland

Histiocytosis

Testis

Dilatation, Nos

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C11

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
		Peliosis Hepatis
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Adenomatous
Pancreas	Acinus	Atrophy, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C12

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Eye	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Pancreas	Acinus	Atrophy, Nos
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C13

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Preputial gland		Inflammation, Acute
Salivary gland		Inflammation, Chronic
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C14

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye	Tunica Vasculosa	Leiomyoma
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Neoplastic Nodule
		Peliosis Hepatis
Lung		Histiocytosis
		Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
Spleen		Fibrosarcoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C15

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Ventricle	Hemorrhage
Eye	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Granuloma, Nos
	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C16

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Inflammation, Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C17

TRT#: 3

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Preputial gland
Testis

Hemorrhage
Fibrosis, Multifocal
Nephropathy
Inflammation, Acute
Atrophy, Nos
Interstitial-Cell Tumor
Leukemia, Mononuclear Cell

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C18

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Skin	Nose	Squamous Cell Papilloma
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C19

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Eye	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
Nasal cavity		Inflammation, Acute
Oral mucosa	Soft Palate	Cyst, Epidermal Inclusion
	Palate	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Nos
Preputial gland		Adenoma, Nos
Spleen		Fibrosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C20

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Acute
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C21

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C22

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Cortex Nos	Metaplasia, Osseous
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Heart		Fibrosis, Multifocal
		Inflammation, Chronic
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Lung		Histiocytosis
		Hyperplasia, Adenomatous
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Trichoepithelioma
Spleen		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C23

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Ear		Inflammation, Active Chronic
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lung		Alveolar/Bronchiolar Adenoma
Salivary gland	Parotid Gland Nos	Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C24

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Cortex Nos	Necrosis, Nos
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
		Pigmentation, Nos
Liver		Peliosis Hepatis
Lymph node	Mesenteric Lymph Node	Hemorrhage
Prostate		Inflammation, Acute
Spleen		Necrosis, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hemorrhage
		Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C25

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Harderian gland

Harderian Gland

Inflammation, Chronic Focal

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Centrilobular

Necrosis, Nos

Lung

Congestion, Nos

Lymph node

Mandibular Lymph Node

Hemorrhage

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C26

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma, Malignant

Eye

Crystalline Lens

Cataract

Hemorrhage

Inflammation, Chronic Diffuse

Sclera

Metaplasia, Osseous

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Inflammation, Chronic Focal

Lung

Histiocytosis

Hyperplasia, Adenomatous

Pancreas

Islets

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C27

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Fibroadenoma
Nasal cavity	Turbinate Nos	Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Prostate		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C28

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Testicular Artery	Inflammation, Chronic
Brain		Carcinoma, Nos, Invasive
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Congestion, Nos
Lung		Congestion, Nos
		Histiocytosis
		Hyperplasia, Adenomatous
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C29

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Cyst, Nos
		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Pancreas	Acinus	Atrophy, Nos
Spleen		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Cyst, Colloid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C30

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Peliosis Hepatis
Lung		Histiocytosis
		Hyperplasia, Adenomatous
Nasal cavity		Infection, Fungal
		Inflammation, Acute
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C31

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain	Hippocampus	Necrosis, Nos
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spleen		Necrosis, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C32

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Liver	Centrilobular	Cytoplasmic Vacuolization
Prostate		Inflammation, Acute
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C33

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Fibrosis, Myelo
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Heart		Inflammation, Chronic
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Centrilobular	Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
		Hyperplasia, Adenomatous
Nasal cavity		Infection, Fungal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Spleen	Capsule	Fibrosis, Multifocal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C34

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Brain		Infarct, Nos
Intestine Large	Colon	Degeneration, Hyaline
	Rectum	Degeneration, Hyaline
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Pancreas		Inflammation, Chronic
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Inflammation, Granulomatous
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C35

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla

Pheochromocytoma

Fibrosis, Multifocal

Nephropathy

Pyelonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Centrilobular

Necrosis, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Preputial gland

Adenoma, Nos

Prostate

Inflammation, Acute

Spleen

Abscess, Chronic

Testis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C36

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Cytoplasmic Vacuolization Hyperplasia, Nos Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Inflammation, Active Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Peliosis Hepatis
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Pigmentation, Nos
Salivary gland	Parotid Gland Nos	Atrophy, Nos
Testis		Atrophy, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C37

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Pheochromocytoma
Epididymis		Inflammation, Chronic
Eye	Crystalline Lens	Cataract
		Hemorrhage
	Anterior Chamber	Inflammation, Acute
	Cornea	Inflammation, Acute
	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Lung		Congestion, Nos
		Pigmentation, Nos
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hemorrhage
Pancreas		Cytoplasmic Vacuolization
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis
Spleen		Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C38

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Accessory Structure

Eye

Medulla

Hyperplasia, Nos

Heart

Sclera

Pheochromocytoma

Kidney

Endocardium Nos

Metaplasia, Osseous

Liver

Bile Duct

Fibrosis, Multifocal

Lung

Centrilobular

Thrombosis, Nos

Pancreas

Acinus

Nephropathy

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Spleen

Testis

Zymbal gland

Necrosis, Nos

Histiocytosis

Atrophy, Nos

Adenoma, Nos

Hematopoiesis

Interstitial-Cell Tumor

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C39

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hypertrophy, Focal
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Intestine Large	Colon	Inflammation, Acute
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Stomach	Forestomach	Hemorrhage
	Forestomach	Inflammation, Acute
Testis		Hemorrhage
		Inflammation, Acute
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C40

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Lung

Histiocytosis

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Preputial gland

Inflammation, Acute

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C41

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Hyperplasia, Adenomatous
Lung		Galactocele
Mammary gland		Atrophy, Nos
Pancreas	Acinus	Adenoma, Nos
Pituitary gland	Anterior Pituitary	Inflammation, Acute
Prostate		Atrophy, Nos
Testis		Interstitial-Cell Tumor
		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C42

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Intestine Small

Medulla

Pheochromocytoma

Kidney

Mesentery Nos

Inflammation, Granulomatous

Liver

Mesentery Nos

Necrosis, Fat

Lung

Pituitary gland

Testis

Bile Duct

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Peliosis Hepatis

Hemorrhage

Anterior Pituitary

Hyperplasia, Nos

Atrophy, Nos

Cyst, Nos

Interstitial-Cell Tumor

Urinary bladder

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C43

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Sclera

Metaplasia, Osseous

Heart

Endocardium Nos

Fibrosis, Multifocal

Kidney

Thrombosis, Nos

Liver

Nephropathy

Bile Duct

Cytologic Alteration, Nos

Lung

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Metaplasia, Osseous

Testis

Adenoma, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C44

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Medulla

Pheochromocytoma

Heart

Sclera

Metaplasia, Osseous

Kidney

Fibrosis, Multifocal

Liver

Bile Duct

Nephropathy

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Testis

Adenoma, Nos

Thyroid

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

C-Cell Adenoma

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C45

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Heart

Endocardium Nos

Fibrosis, Multifocal

Kidney

Thrombosis, Nos

Nephropathy

Liver

Centrilobular

Cytoplasmic Vacuolization

Lung

Histiocytosis

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Leukemia, Mononuclear Cell

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Urinary bladder

Tubule

Mineralization

Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C46

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos Inflammation, Acute
	Sclera	Metaplasia, Osseous Fibrosis, Multifocal Nephropathy
Heart		
Kidney		
Liver	Centrilobular	Cytoplasmic Vacuolization
Lung	Pleura Nos	Inflammation, Chronic Focal Pneumonia, Interstitial Chronic Squamous Cell Carcinoma Squamous Cell Carcinoma, Metastatic
Lymph node	Mediastinal Lymph Node	Squamous Cell Carcinoma, Metastatic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skeletal muscle		Squamous Cell Carcinoma, Invasive
Spleen		Pigmentation, Nos
Stomach	Forestomach	Ulcer, Acute
Testis		Atrophy, Nos Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C47

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Pyelonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Peliosis Hepatis
Lung		Histiocytosis
		Thrombosis, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute
Spleen		Pigmentation, Nos
Urinary bladder		Hemorrhage
		Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C48

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Brain

Carcinoma, Nos, Invasive

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Carcinoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C49

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Ectopia
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spinal cord		Demyelination
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55594

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 10/26/2014

Time Report Requested: 10:27:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C50

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Alveolar/Bronchiolar Carcinoma, Metastatic
		Inflammation, Chronic
Kidney		Nephropathy
		Tubular-Cell Adenocarcinoma
Lung		Alveolar/Bronchiolar Carcinoma
		Fibrosis, Focal
Salivary gland		Hyperplasia, Intraductal
		Inflammation, Chronic
Stomach	Forestomach	Erosion
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Lower Leg Nos	Sarcoma, Nos
Urinary bladder		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE