

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: 14:43:21

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: Female

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C01

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Clitoral gland		Adenoma, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C02

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Eye

Heart

Liver

Nasal cavity

Pituitary gland

Spleen

Retina

Anterior Pituitary

Hypoplasia, Nos

Atrophy, Nos

Inflammation, Chronic

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Hemorrhage

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C03

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Acute
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Lung		Hyperplasia, Adenomatous
Lymph node	Mandibular Lymph Node	Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Spleen		Pigmentation, Nos
Thyroid		C-Cell Carcinoma
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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C04

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Retina

Crystalline Lens

Sclera

Hardarian Gland

Harderian gland

Heart

Kidney

Liver

Hepatocytes

Lung

Lymph node

Pituitary gland

Spleen

Mandibular Lymph Node

Anterior Pituitary

Inflammation, Acute

Atrophy, Nos

Cataract

Metaplasia, Osseous

Inflammation, Chronic Focal

Fibrosis, Multifocal

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Inflammation, Chronic Focal

Histiocytosis

Hyperplasia, Lymphoid

Cyst, Nos

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C05

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Harderian gland

Heart

Kidney

Liver

Lung

Spleen

Thyroid

Uterus

Retina

Crystalline Lens

Sclera

Hardarian Gland

Bile Duct

Hepatocytes

Endometrium

Adenoma, Nos

Atrophy, Nos

Cataract

Metaplasia, Osseous

Inflammation, Chronic Focal

Fibrosis, Multifocal

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Chronic Focal

Histiocytosis

Pigmentation, Nos

C-Cell Adenoma

Hyperplasia, Cystic

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C06

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Maxilla	Abscess, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Hemorrhage
		Histiocytosis
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C07

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cortex	Spongiosus, Status
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hemorrhage
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Spleen		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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C08

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Chronic
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Vagina		Hemangiosarcoma

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C09

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Lung

Inflammation, Chronic Focal

Mammary gland

Histiocytosis

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Adenoma, Nos

Thyroid

Pigmentation, Nos

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: 14:43:21

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C10

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Clitoral gland		Inflammation, Active Chronic
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C11

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Nasolacrimal Duct	Inflammation, Acute
	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic
Lung		Histiocytosis
Mammary gland		Fibroadenoma
Spleen		Pigmentation, Nos
Thyroid		Hyperplasia, C Cell
Tooth		Odontoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C12

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Larynx		Fibrosarcoma, Invasive
Liver		Cytologic Alteration, Nos
		Cytoplasmic Vacuolization
		Hepatocellular Carcinoma
Lung		Congestion, Nos
		Histiocytosis
Mammary gland		Adenoma, Nos
Pancreas	Acinus	Atrophy, Nos
Salivary gland		Fibrosarcoma
Spleen		Pigmentation, Nos
Thymus		Cyst, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C13

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Blood vessel

Aorta Nos

Inflammation, Necrotizing

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Neoplastic Nodule

Spleen

Adenoma, Nos

Thyroid

Pigmentation, Nos

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C14

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Brain

Cerebrum

Hemorrhage

Eye

Crystalline Lens

Cataract

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Pituitary gland

Ectopia

Spleen

Hemorrhage

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C15

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Necrosis, Nos

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Congestion, Nos

Pituitary gland

Anterior Pituitary

Angiectasis

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

Endometrium

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C16

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Necrosis, Nos
Brain		Hemorrhage
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Nasolacrimal Duct	Inflammation, Acute
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
Nasal cavity		Inflammation, Acute
Pituitary gland	Anterior Pituitary	Hemorrhage
	Anterior Pituitary	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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C17

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Harderian gland

Heart

Lung

Nasal cavity

Oral mucosa

Spleen

Trachea

Crystalline Lens

Sclera

Harderian Gland

Soft Palate

Muscle

Abscess, Nos

Cataract

Metaplasia, Osseous

Inflammation, Chronic Focal

Inflammation, Chronic

Congestion, Nos

Hemorrhage

Inflammation, Acute

Squamous Cell Carcinoma

Pigmentation, Nos

Inflammation, Chronic 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C18

TRT#: 1

SEX: Female

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		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Spleen		Leukemia, Mononuclear Cell
		Pigmentation, Nos
Thyroid		C-Cell Carcinoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C19

TRT#: 1

SEX: Female

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	Hardarian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Lung		Histiocytosis
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Eyelid Nos	Abscess, Nos
	Eyelid Nos	Inflammation, Chronic
Spleen		Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C20

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Coronary Artery Nos	Inflammation, Active Chronic
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma
		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C21

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Clitoral gland

Inflammation, Acute

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C22

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Harderian gland

Hardarian Gland

Hemorrhage

Heart

Inflammation, Chronic Focal

Kidney

Fibrosis, Multifocal

Liver

Nephropathy

Bile Duct

Cytologic Alteration, Nos

Lung

Hyperplasia, Nos

Mammary gland

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Histiocytosis

Spleen

Fibroadenoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C23

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Lung		Foreign Body, Vegetable
		Histiocytosis
		Inflammation, Granulomatous Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C24

TRT#: 1

SEX: Female

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
	Hepatocytes	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C25

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Acute
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
		Scar
Lung		Histiocytosis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C26

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Acute
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Mammary gland		Galactocele
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C27

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Adenoma, Nos

Eye

Retina

Inflammation, Acute

Crystalline Lens

Atrophy, Nos

Hardarian Gland

Cataract

Harderian gland

Inflammation, Chronic Focal

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Neoplastic Nodule

Pituitary gland

Anterior Pituitary

Angiectasis

Spleen

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C28

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Eye

Harderian gland

Heart

Kidney

Liver

Lung

Spleen

Thyroid

Retina

Crystalline Lens

Cornea

Hardarian Gland

Hepatocytes

Hyperplasia, Reticulum Cell

Atrophy, Nos

Cataract

Inflammation, Chronic

Inflammation, Chronic Focal

Fibrosis, Multifocal

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Inflammation, Chronic Focal

Histiocytosis

Scar

Pigmentation, Nos

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C29

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Glioma, Nos
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney	Pelvis	Mineralization
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Histiocytosis
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C30

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Uterus		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C31

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Eye

Medulla
Coronary Artery Nos
Retina
Crystalline Lens
Sclera

Pheochromocytoma
Inflammation, Chronic Focal
Atrophy, Nos
Cataract
Metaplasia, Osseous
Inflammation, Chronic
Nephropathy
Cytologic Alteration, Nos
Hyperplasia, Nos
Hyperplasia, Nos
Inflammation, Chronic Focal
Histiocytosis
Atrophy, Nos
Adenoma, Nos
Pigmentation, Nos

Heart
Kidney
Liver

Bile Duct
Hepatocytes

Lung
Pancreas
Pituitary gland
Spleen

Acinus
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C32

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Blood vessel	Coronary Artery Nos	Inflammation, Chronic Focal
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Nasal cavity	Turbinate Nos	Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Salivary gland		Atrophy, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C33

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Coronary Artery Nos	Inflammation, Active Chronic
Clitoral gland		Inflammation, Acute
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
		Peliosis Hepatis
Lung		Histiocytosis
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Angiectasis
Spleen		Pigmentation, Nos
Urinary bladder		Metaplasia, Osseous

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C34

TRT#: 1

SEX: Female

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

Inflammation, Chronic Focal

Lung

Histiocytosis

Nasal cavity

Turbinate Nos

Inflammation, Chronic Focal

Spleen

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

Endometrium

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C35

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund 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

Lymph node

Mandibular Lymph Node

Cyst, Nos

Pituitary gland

Anterior Pituitary

Angiectasis

Salivary gland

Atrophy, Nos

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C36

TRT#: 1

SEX: Female

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	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic
Intestine Small	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Liver		Cytologic Alteration, Nos
		Hepatocellular Carcinoma
		Inflammation, Chronic Focal
		Neoplastic Nodule
Lung		Histiocytosis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C37

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Congestion, Nos
Clitoral gland		Inflammation, Acute
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Angiectasis
Spleen		Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C38

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Inflammation, Acute

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic Focal

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C39

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Necrosis, Nos

Brain

Infarct, Nos

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Stomach

Glandular Stomach

Necrosis, Nos

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C40

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Heart

Crystalline Lens

Cataract

Kidney

Fibrosis, Multifocal

Liver

Nephropathy

Lung

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Spleen

Histiocytosis

Cyst, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C41

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Coronary Artery Nos	Inflammation, Chronic Focal
Eye	Retina	Atrophy, Nos
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Lung		Histiocytosis
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C42

TRT#: 1

SEX: Female

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	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Mammary gland		Adenoma, Nos
		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C43

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Artery Nos	Inflammation, Chronic Focal
Bone marrow		Hyperplasia, Reticulum Cell
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart	Cardiac Valve	Inflammation, Chronic
		Inflammation, Chronic
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Spleen		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C44

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Infarct, Nos
Eye	Retina	Atrophy, Nos
Heart		Fibrosis, Multifocal
Liver		Cytologic Alteration, Nos
		Cytoplasmic Vacuolization
	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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C45

TRT#: 1

SEX: Female

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

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Heart

Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Lung

Histiocytosis

Lymph node

Mandibular Lymph Node

Cyst, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Skin

Ulcer, Acute

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C46

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Thyroid		C-Cell Adenoma
		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C47

TRT#: 1

SEX: Female

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
		Inflammation, Chronic Focal
		Neoplastic Nodule
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Unspecified	Diaphragm Nos	Sarcoma, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C48

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone		Hyperplasia, Diffuse
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
	Endocardium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Centrilobular	Congestion, Nos
		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C49

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Retina

Crystalline Lens

Nasolacrimal Duct

Sclera

Heart

Kidney

Liver

Lung

Pituitary gland

Anterior Pituitary

Spleen

Thyroid

Uterus

Vagina

Cyst, Nos

Atrophy, Nos

Cataract

Inflammation, Acute

Metaplasia, Osseous

Inflammation, Chronic

Myxomatosis, Cardiac Valve

Nephropathy

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Neoplastic Nodule

Alveolar/Bronchiolar Carcinoma

Adenoma, Nos

Pigmentation, Nos

C-Cell Adenoma

Inflammation, Acute

Squamous Cell Carcinoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_C50

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Nos
Ear	Middle Ear	Inflammation, Acute
Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Neurilemoma, Metastatic
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Histiocytosis
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Inflammation, Chronic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
		Leukemia, Mononuclear Cell
Unspecified	Multiple Organs Nos	Neurilemoma, Metastatic
	Abdomen	Neurilemoma, Unc Prim Or Meta
Zymbal gland		Squamous Cell Carcinoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C01

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C02

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Pituitary gland

Skin

Spleen

Uterus

Retina

Crystalline Lens

Anterior Pituitary

Anterior Pituitary

Endometrium

Cortical Adenoma

Atrophy, Nos

Cataract

Nephropathy

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Angiectasis

Hyperplasia, Nos

Keratoacanthoma

Pigmentation, Nos

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C03

TRT#: 2

SEX: Female

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		Cytologic Alteration, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Nos
Spleen		Pigmentation, Nos
Uterus	Serosa	Fibrosis, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C04

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C05

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Renal Artery Nos	Inflammation, Chronic
Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C06

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Eye

Medulla

Hyperplasia, Nos

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Mammary gland

Leukemia, Mononuclear Cell

Uterus

Fibroadenoma

Endometrium

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C07

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos
Spleen		Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C08

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye
Harderian gland
Kidney
Liver
Mammary gland

Sclera
Hardarian Gland

Anterior Pituitary

Metaplasia, Osseous
Inflammation, Chronic Focal
Nephropathy
Cytologic Alteration, Nos
Adenoma, Nos
Galactocele
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C09

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Hyperplasia, Nos

Eye

Retina

Inflammation, Acute

Harderian gland

Harderian Gland

Atrophy, Nos

Kidney

Inflammation, Chronic Focal

Liver

Nephropathy

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Spleen

Anterior Pituitary

Angiectasis

Hyperplasia, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C10

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Clitoral gland

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C11

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Mammary gland

Adenoma, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Angiectasis

Spleen

Pigmentation, Nos

Uterus

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C12

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Nos
Nephropathy
Cytologic Alteration, Nos
Inflammation, Chronic Focal

Lung
Pituitary gland

Anterior Pituitary

Hemorrhage

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Cyst, Nos

Uterus

Endometrium

Leukemia, Mononuclear Cell

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C13

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos Hemorrhage Inflammation, Acute
Harderian gland	Hardarian Gland Hardarian Gland	Ectopia Inflammation, Acute
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C14

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Harderian gland

Kidney

Liver

Spleen

Retina

Hardarian Gland

Hypertrophy, Focal

Atrophy, Nos

Inflammation, Chronic Focal

Nephropathy

Cytologic Alteration, Nos

Inflammation, Chronic Focal

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C15

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Spleen		Pigmentation, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C16

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Hyperplasia, Nos

Lung

Carcinoma, Nos, Metastatic

Skin

Carcinoma, Nos

Spleen

Hematopoiesis

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C17

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Harderian gland
Liver

Cortex Nos
Hardarian Gland

Hyperplasia, Focal
Inflammation, Chronic Focal
Cytologic Alteration, Nos
Inflammation, Chronic Focal

Pituitary gland
Spleen

Anterior Pituitary

Cyst, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C18

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Mammary gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C19

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Clitoral gland

Adenoma, Nos

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Kidney

Nephropathy

Liver

Cytologic Alteration, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C20

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Retina

Atrophy, Nos

Liver

Crystalline Lens

Cataract

Spleen

Centrilobular

Congestion, Nos

Thymus

Cytologic Alteration, Nos

Hyperplasia, Lymphoid

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C21

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C22

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Dilatation, Ducts

Eye

Retina

Inflammation, Active Chronic

Crystalline Lens

Atrophy, Nos

Harderian gland

Harderian Gland

Cataract

Intestine Small

Mesentery Nos

Inflammation, Chronic Focal

Kidney

Necrosis, Fat

Liver

Nephropathy

Pituitary gland

Anterior Pituitary

Cytologic Alteration, Nos

Spleen

Capsule

Adenoma, Nos

Unspecified

Multiple Organs Nos

Inflammation, Chronic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C23

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C24

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
		Thrombosis, Nos
Eye	Sclera	Metaplasia, Osseous
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
		Hematopoiesis
Lung		Histiocytosis
Pancreas		Inflammation, Chronic
Spinal cord		Hemorrhage
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C25

TRT#: 2

SEX: Female

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

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Spleen

Pigmentation, Nos

Unspecified

Inflammation, Active Chronic

Uterus

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C26

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Pituitary gland	Anterior Pituitary	Adenoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C27

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Eye

Cortex Nos

Cytoplasmic Vacuolization

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Hepatic Sinusoid

Foam-Cell

Bile Duct

Hyperplasia, Nos

Lung

Necrosis, Nos

Mammary gland

Histiocytosis

Nasal cavity

Fibroadenoma

Spleen

Turbinate Nos

Adenomatous Polyp, Nos

Hematopoiesis

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C28

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart		Fibrosis, Multifocal
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Nos
Salivary gland	Parotid Gland Nos	Cytoplasmic Vacuolization
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Cervix Uteri	Sarcoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C29

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Sclera	Metaplasia, Osseous
Liver		Cytologic Alteration, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Unspecified	Adipose Tissue	Inflammation, Active 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C30

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Crystalline Lens Nasolacrimal Duct	Cataract Inflammation, Acute
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Lung		Histiocytosis
Mammary gland		Galactoceles
Spleen		Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial
Uterus		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C31

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Fibrosis, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Nos
Spleen		Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C32

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Cortex Nos

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Spleen

Inflammation, Chronic Focal

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C33

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye

Hemorrhage

Sclera

Metaplasia, Osseous

Liver

Cytologic Alteration, Nos

Lung

Congestion, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Anterior Pituitary

Hemorrhage

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C34

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Liver

Sclera

Bile Duct

Hepatocytes

Anterior Pituitary

Endometrium

Adenoma, Nos

Metaplasia, Osseous

Cytologic Alteration, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Cyst, Nos

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C35

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland
Harderian gland
Liver

Hardarian Gland

Inflammation, Active Chronic
Inflammation, Chronic Focal
Cytologic Alteration, Nos
Inflammation, Chronic Focal

Mammary gland
Pituitary gland

Anterior Pituitary
Anterior Pituitary

Hyperplasia, Nos
Adenoma, Nos
Cyst, Nos

Uterus

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C36

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Liver

Cortex Nos

Cytoplasmic Vacuolization
Cyst, Nos
Cytologic Alteration, Nos
Inflammation, Chronic Focal

Mammary gland
Pituitary gland
Uterus

Anterior Pituitary

Fibroadenoma
Adenoma, Nos
Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C37

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Adenoma, Nos

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C38

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C39

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye
Harderian gland
Liver
Unspecified
Uterus

Crystalline Lens
Harderian Gland
Centrilobular
Multiple Organs Nos

Cataract
Inflammation, Chronic Focal
Congestion, Nos
Leukemia, Mononuclear Cell
Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C40

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Mammary gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Lymphoid

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C41

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Sclera

Metaplasia, Osseous

Harderian gland

Harderian Gland

Inflammation, Chronic Focal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Spleen

Cyst, Nos

Uterus

Endometrium

Pigmentation, Nos

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C42

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Pituitary gland

Spleen

Uterus

Anterior Pituitary

Nephropathy

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Adenoma, Nos

Pigmentation, Nos

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C43

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Clitoral gland

Eye

Harderian gland

Kidney

Liver

Mammary gland

Bile Duct

Hyperplasia, Nos

Adenoma, Nos

Metaplasia, Osseous

Inflammation, Chronic Focal

Nephropathy

Hyperplasia, Nos

Carcinoma, Nos

Galactocele

Pituitary gland

Unspecified

Anterior Pituitary

Multiple Organs Nos

Angiectasis

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C44

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Peliosis Hepatis
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C45

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Eye	Sclera	Metaplasia, Osseous
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Mitotic Alteration
		Necrosis, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C46

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Cyst, Nos
Spleen		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C47

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Sclera

Metaplasia, Osseous

Liver

Cytologic Alteration, Nos

Mammary gland

Adenoma, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C48

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Eye

Sclera

Metaplasia, Osseous

Harderian gland

Hardarian Gland

Inflammation, Chronic Focal

Liver

Necrosis, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C49

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Congestion, Nos Hyperplasia, Nos
Clitoral gland		Hyperplasia, Nos
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos Necrosis, Nos Peliosis Hepatis
Mammary gland		Fibroadenoma
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_C50

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Nasolacrimal Duct	Inflammation, Acute
	Sclera	Metaplasia, Osseous
Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
Lung		Histiocytosis
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity		Inflammation, Acute
Pituitary gland	Anterior Pituitary	Cyst, Nos
Salivary gland	Parotid Gland Nos	Cytoplasmic Vacuolization
Spleen		Hematopoiesis
Stomach	Forestomach	Ulcer, Nos
Unspecified		Fibrosarcoma
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C01

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Heart

Kidney

Liver

Lung

Pituitary gland

Spleen

Retina

Anterior Pituitary

Inflammation, Acute

Atrophy, Nos

Fibrosis, Multifocal

Nephropathy

Pyelonephritis, Chronic

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Histiocytosis

Carcinoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C02

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Fibrosis, Multifocal
Kidney		Cyst, Nos
		Nephropathy
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C03

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel

Aorta Nos

Inflammation, Active Chronic

Heart

Inflammation, Chronic

Kidney

Nephropathy

Liver

Scar

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C04

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain		Infarct, Nos
Clitoral gland		Adenoma, Nos
Eye		Hemorrhage
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C05

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Coronary Artery Nos	Mineralization
Eye	Cornea	Inflammation, Acute
		Inflammation, Acute
Kidney		Mineralization
		Nephropathy
		Nephrosis, Hydro
Liver		Necrosis, Nos
Lung		Histiocytosis
Mammary gland		Adenoma, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Salivary gland		Inflammation, Acute
Uterus		Squamous Cell Carcinoma
Zymbal gland		Squamous Cell Carcinoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C06

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone	Skull	Hyperplasia, Diffuse
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C07

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Bone marrow

Eye

Heart

Liver

Lung

Mammary gland

Unspecified

Uterus

Sclera

Multiple Organs Nos

Cortical Adenoma

Fibrosis, Myelo

Metaplasia, Osseous

Fibrosis, Multifocal

Cytologic Alteration, Nos

Histiocytosis

Fibroadenoma

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C08

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Reticulum Cell
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Nos
	Anterior Pituitary	Pigmentation, Nos
Spleen		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C09

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Clitoral gland

Adenoma, Nos

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Lung

Histiocytosis

Mammary gland

Fibroadenoma

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Angiectasis

Spleen

Hematopoiesis

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C10

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Acute
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Spleen		Hematopoiesis
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C11

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Necrosis, Nos

Clitoral gland

Inflammation, Acute

Eye

Sclera

Metaplasia, Osseous

Heart

Myxomatosis, Cardiac Valve

Liver

Centrilobular

Congestion, Nos

Mammary gland

Adenoma, Nos

Pancreas

Acinus

Atrophy, Nos

Spleen

Hematopoiesis

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: 14:43:22
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_C12

TRT#: 3
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Clitoral gland		Adenoma, Nos
Kidney		Nephropathy
Liver		Congestion, Nos
		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Histiocytosis
		Pigmentation, Nos
Mammary gland		Fibroadenoma
Nasal cavity		Inflammation, Acute
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C13

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Kidney

Liver

Hepatocytes

Lung

Mammary gland

Pituitary gland

Anterior Pituitary

Spleen

Hyperplasia, Reticulum Cell

Nephropathy

Hyperplasia, Nos

Inflammation, Chronic Focal

Histiocytosis

Fibroadenoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C14

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart		Fibrosis, Multifocal
Intestine Small	Mesentery Nos	Inflammation, Chronic
	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Lung		Histiocytosis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C15

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Kidney
Liver

Rectum

Sarcoma, Nos, Invasive
Nephropathy
Cytologic Alteration, Nos
Hematopoiesis

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Hematopoiesis

Uterus

Endometrium

Hyperplasia, Cystic

Vagina

Sarcoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C16

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Bone

Mandible

Pheochromocytoma

Kidney

Odontoma, Nos

Liver

Cyst, Nos

Nephropathy

Lung

Cytologic Alteration, Nos

Unspecified

Peliosis Hepatis

Uterus

Histiocytosis

Fibroma

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C17

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Medulla

Pheochromocytoma

Harderian gland

Retina

Atrophy, Nos

Heart

Harderian Gland

Inflammation, Chronic Focal

Kidney

Endocardium Nos

Fibrosis, Multifocal

Liver

Thrombosis, Nos

Ovary

Nephropathy

Salivary gland

Cytoplasmic Vacuolization

Unspecified

Multiple Organs Nos

Cyst, Nos

Cytoplasmic Vacuolization

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C18

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Change, Nos

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Nasolacrimal Duct

Inflammation, Acute

Heart

Inflammation, Chronic

Kidney

Nephropathy

Thyroid

Follicular-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C19

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Hemorrhage
Nasal cavity		Foreign Body, Vegetable
		Inflammation, Acute
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Uterus	Cervix Uteri	Hyperplasia, Stromal

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C20

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Acute
Eye	Retina	Atrophy, Nos
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Hepatocytes	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland	Anterior Pituitary	Angiectasis
Spleen		Inflammation, Chronic Focal
Uterus	Endometrium	Carcinoma, Nos
		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C21

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Eye

Heart

Kidney

Liver

Mammary gland

Ovary

Pancreas

Pituitary gland

Spleen

Uterus

Retina

Crystalline Lens

Sclera

Hepatocytes

Acinus

Anterior Pituitary

Hypoplasia, Nos

Atrophy, Nos

Cataract

Metaplasia, Osseous

Myxomatosis, Cardiac Valve

Nephropathy

Cytologic Alteration, Nos

Hyperplasia, Nos

Galactocele

Cyst, Nos

Atrophy, Nos

Adenoma, Nos

Pigmentation, Nos

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C22

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic
Kidney		Nephropathy
Lung		Histiocytosis
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Nos
Spleen		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C23

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Harderian gland

Medulla

Pheochromocytoma

Kidney

Harderian Gland

Inflammation, Chronic Focal

Liver

Centrilobular

Nephropathy

Lymph node

Mesenteric Lymph Node

Cytoplasmic Vacuolization

Pituitary gland

Anterior Pituitary

Hemorrhage

Unspecified

Multiple Organs Nos

Hemorrhage

Uterus

Endometrium

Leukemia, Mononuclear Cell

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C24

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone		Hyperplasia, Diffuse
Heart		Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Mammary gland		Fibroadenoma
		Galactocele
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C25

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland
Liver

Medulla

Hyperplasia, Nos
Inflammation, Acute
Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos
Inflammation, Chronic Focal

Lung
Mammary gland

Histiocytosis
Fibroma
Galactocele

Pituitary gland
Spleen
Thyroid

Anterior Pituitary

Adenoma, Nos
Hematopoiesis
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C26

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Brain	Cerebrum	Infarct, Nos
Eye	Sclera	Metaplasia, Osseous
Heart		Inflammation, Chronic
Intestine Large	Cecum, Colon	Erosion
Kidney		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Pigmentation, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C27

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Lung		Histiocytosis
Mammary gland		Galactoceles
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C28

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver

Mesentery Nos
Pelvis
Hepatocytes

Inflammation, Chronic
Mineralization
Hyperplasia, Nos
Inflammation, Chronic Focal

Lung
Mammary gland
Nasal cavity

Histiocytosis
Galactocele
Infection, Fungal

Pancreas

Turbinates Nos
Acinus

Inflammation, Chronic Focal
Atrophy, Nos
Inflammation, Chronic

Pituitary gland

Anterior Pituitary
Anterior Pituitary

Adenoma, Nos
Angiectasis

Skin

Keratoacanthoma

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C29

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
		Inflammation, Chronic Focal
Lung		Histiocytosis
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
Pancreas		Inflammation, Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C30

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Crystalline Lens	Cataract
Kidney		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Centrilobular	Necrosis, Nos
Lung		Hemorrhage
		Hyperplasia, Adenomatous
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Spleen		Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C31

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hematopoiesis

Liver

Centrilobular

Necrosis, Nos

Lung

Histiocytosis

Mammary gland

Fibroadenoma

Spleen

Hematopoiesis

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C32

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Clitoral gland

Inflammation, Acute

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Inflammation, Chronic Focal

Lung

Histiocytosis

Mammary gland

Fibroadenoma

Galactocele

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C33

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Histiocytosis
		Metaplasia, Osseous
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp
Vagina		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C34

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Inflammation, Chronic

Kidney

Mesentery Nos

Necrosis, Fat

Liver

Nephropathy

Lung

Cytologic Alteration, Nos

Spleen

Inflammation, Chronic Focal

Thyroid

Alveolar/Bronchiolar Adenoma

Uterus

Endometrium

Histiocytosis

Pigmentation, Nos

Cyst, Embryonal Duct

Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C35

TRT#: 3

DOSE: 0

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Pituitary gland

Spleen

Anterior Pituitary

Anterior Pituitary

Cortical Adenoma

Nephropathy

Cytologic Alteration, Nos

Inflammation, Chronic Focal

Adenoma, Nos

Fibroadenoma

Galactocele

Angiectasis

Cyst, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C36

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone		Hyperplasia, Diffuse
Heart		Fibrosis, Multifocal
Kidney		Infarct, Acute
		Nephropathy
		Pigmentation, Nos
Liver	Centrilobular	Cytoplasmic Vacuolization
		Scar
Lung		Hemorrhage
Nasal cavity		Infection, Fungal
		Inflammation, Acute
		Thrombosis, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
Thyroid		Cyst, Embryonal Duct
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C37

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Reticulum Cell
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver		Cytologic Alteration, Nos
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Thyroid		Follicular-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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C38

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C39

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone

Kidney

Pituitary gland

Spleen

Anterior Pituitary

Hyperplasia, Diffuse

Nephropathy

Carcinoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C40

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Cyst, Nos

Eye

Retina

Inflammation, Acute

Heart

Atrophy, Nos

Intestine Small

Mesentery Nos

Fibrosis, Multifocal

Mesentery Nos

Inflammation, Chronic

Jejunum

Necrosis, Fat

Kidney

Sarcoma, Nos

Liver

Nephropathy

Bile Duct

Cytologic Alteration, Nos

Lung

Hyperplasia, Nos

Mammary gland

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Histiocytosis

Spleen

Fibroadenoma

Thyroid

Galactocele

Uterus

Hyperplasia, Nos

Pigmentation, Nos

Hyperplasia, C Cell

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C41

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Bone

Femur

Osteosarcoma

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Bile Duct

Hyperplasia, Nos

Lung

Peliosis Hepatis

Pituitary gland

Anterior Pituitary

Histiocytosis

Thyroid

Angiectasis

Unspecified

Multiple Organs Nos

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C42

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Blood vessel	Mesenteric Artery Nos	Mineralization
Bone		Osteomalacia
Eye	Cornea	Inflammation, Chronic
Heart		Mineralization
Intestine Large	Muscularis, Colon	Mineralization
	Rectum	Mineralization
Intestine Small	Muscularis Propria, Duodenum	Mineralization
Kidney		Nephropathy
Lung		Hyperplasia, Adenomatous
		Mineralization
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Stomach		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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C43

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Ovary

Cyst, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C44

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C45

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Rhabdomyosarcoma, Metastatic
Eye	Nasolacrimal Duct	Inflammation, Acute
Kidney		Nephropathy
Liver	Centrilobular	Congestion, Nos
		Hematopoiesis
Lung		Histiocytosis
Mammary gland		Fibroadenoma
Peritoneum		Rhabdomyosarcoma, Metastatic
Salivary gland	Parotid Gland Nos	Inflammation, Acute
Spleen		Hematopoiesis
Unspecified	Diaphragm Nos	Rhabdomyosarcoma
		Rhabdomyosarcoma
	Mediastinum Nos	Rhabdomyosarcoma, Metastatic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C46

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Inflammation, Chronic
Clitoral gland		Inflammation, Acute
Eye	Sclera	Metaplasia, Osseous
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hyperplasia, Nos
Lung		Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Spleen		Pigmentation, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C47

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Crystalline Lens

Cataract

Heart

Inflammation, Chronic Focal

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Mammary gland

Adenoma, Nos

Fibroadenoma

Galactocele

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Skin

Face

Basal-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C48

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Reticulum Cell
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Fibrosis, Multifocal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Lung		Congestion, Nos
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C49

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung		Granuloma, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
Spleen		Pigmentation, Nos
Stomach	Forestomach	Inflammation, Chronic Focal
Unspecified		Sarcoma, 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: 14:43:22

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_C50

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Pancreas
Pituitary gland
Unspecified

Acinus
Anterior Pituitary
Multiple Organs Nos

Atrophy, Nos
Cyst, Nos
Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE