

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

C Number: C55618

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Kidney	Pelvis	Hemorrhage
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Tubular-Cell Adenocarcinoma
		Clear-Cell Change
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Acinar-Cell Adenoma
	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Unspecified		Hemorrhage
	Multiple Organs Nos	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Metamorphosis, Fatty
		Necrosis, Coagulative
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Abscess, Chronic
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Intestine Small	Duodenum	Leiomyoma
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cyst, Nos
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Inflammation, Chronic Focal
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Hyperplasia, Tubular Cell Mineralization Nephropathy
Liver	Tubule	Pigmentation, Nos Cytoplasmic Vacuolization Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal Pneumonia, Interstitial Chronic
Lung		Inflammation, Chronic Focal
Prostate		Hyperplasia, Epithelial
Seminal vesicle		Congestion, Nos
Spinal cord		Hematopoiesis
Spleen		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Neck	Granuloma, Foreign Body
	Adipose Tissue	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cytoplasmic Vacuolization

Liver

Inflammation, Chronic Focal

Lung

Cytoplasmic Vacuolization

Spleen

Emphysema, Alveolar

Unspecified

Multiple Organs Nos

Hematopoiesis

Mediastinum Nos

Pigmentation, Nos

Congestion, Nos

Hematoma, Organized

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Congestion, Nos

Liver

Congestion, Nos

Lung

Congestion, Nos

Emphysema, Alveolar

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1
DOSE: 500.0 MG/KG

SEX: Male
DISP: Accidentally Killed

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Chronic Focal
Kidney		Congestion, Nos
	Tubule	Mineralization
		Nephropathy
Liver		Cytoplasmic Vacuolization
		Granuloma, Nos
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Emphysema, Alveolar
		Histiocytosis
Lymph node	Mesenteric Lymph Node	Edema, Nos
	Mesenteric Lymph Node	Mastocytosis
Salivary gland		Inflammation, Chronic Focal
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Nephropathy
		Pigmentation, Nos
Liver		Tubular-Cell Adenoma
	Bile Duct	Focal Cellular Change
		Hyperplasia, Focal
		Neoplastic Nodule
Lung		Congestion, Nos
		Edema, Nos
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Tongue	Tunica Vaginalis	Mesothelioma, Nos
Urethra		Squamous Cell Papilloma
		Calculus, Microscopic Examination
		Inflammation, Active Chronic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Prostate		Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cytoplasmic Vacuolization

Kidney

Tubule

Inflammation, Chronic Focal

Liver

Bile Duct

Mineralization

Lung

Nephropathy

Spleen

Hyperplasia, Focal

Testis

Pneumonia, Interstitial Chronic

Unspecified

Multiple Organs Nos

Hematopoiesis

Pigmentation, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Pheochromocytoma

Intestine Large

Colon

Inflammation, Chronic Focal

Kidney

Tubule

Parasitism

Liver

Nephropathy

Pigmentation, Nos

Pancreas

Bile Duct

Focal Cellular Change

Hyperplasia, Focal

Pituitary gland

Islets

Inflammation, Chronic Focal

Islet-Cell Adenoma

Preputial gland

Anterior Pituitary

Hyperplasia, Focal

Prostate

Carcinoma, Nos

Skin

Inflammation, Chronic Focal

Squamous Cell Papilloma

Spinal cord

Congestion, Nos

Spleen

Hematopoiesis

Pigmentation, Nos

Stomach

Glandular Stomach

Degeneration, Cystic

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Pneumonia, Interstitial Chronic
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013

TRT#: 1
DOSE: 500.0 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Lung		Congestion, Nos
		Emphysema, Alveolar
Lymph node	Mesenteric Lymph Node	Edema, Nos
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Hyperplasia, Focal
Seminal vesicle		Inflammation, Active Chronic
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Congestion, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Histiocytosis
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
		Hemorrhage
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Intestine Large	Colon	Parasitism
Kidney	Pelvis	Hyperplasia, Epithelial
	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Histiocytosis
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney		Hyperplasia, Tubular Cell Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Ulcer, Nos
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
		Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
Penis	Prepuce Nos	Ulcer, Acute
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
		Hyperplasia, Lymphoid
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
	Follicle	Cyst, Multiple
Urinary bladder		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Mesenteric Artery Nos	Thrombosis, Nos
Heart		Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Periarteritis
Kidney	Tubule	Mineralization Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Emphysema, Alveolar Histiocytosis Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Hyperplasia, Epithelial
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis Pigmentation, Nos
Stomach	Glandular Stomach Forestomach	Degeneration, Cystic Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Forestomach	Ulcer, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Spleen

Thymus

Pericardium Nos

Pelvis

Angiectasis

Inflammation, Acute

Congestion, Nos

Hemorrhage

Congestion, Nos

Congestion, Nos

Emphysema, Alveolar

Hemorrhage

Hematopoiesis

Pigmentation, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Cortex Nos	Osteosarcoma, Uncertain Primary/Metastatic
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hemorrhage
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
		Osteosarcoma, Uncertain Primary/Metastatic
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Seminal vesicle		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Inflammation, Acute Focal
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Brain		Infarct, Focal
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Abscess, Chronic
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Inflammation, Active Chronic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland			Angiectasis
	Cortex Nos		Metamorphosis, Fatty
	Medulla		Pheochromocytoma
Heart			Inflammation, Chronic Focal
Kidney	Tubule		Mineralization
			Nephropathy
	Tubule		Pigmentation, Nos
Liver	Bile Duct		Hyperplasia, Focal
	Periportal		Inflammation, Chronic Focal
Lung			Bronchopneumonia, Acute
			Congestion, Nos
			Edema, Nos
Lymph node	Mesenteric Lymph Node		Congestion, Nos
Pancreas	Acinus		Atrophy, Nos
Seminal vesicle			Hyperplasia, Epithelial
Spinal cord			Congestion, Nos
Spleen			Pigmentation, Nos
Stomach	Forestomach		Hyperkeratosis
Testis	Tubule		Degeneration, Nos
			Hyperplasia, Interstitial Cell
			Interstitial-Cell Tumor
Trachea			Inflammation, Acute Diffuse
Urinary bladder			Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Nephropathy
Lung	Congestion, Nos
	Emphysema, Alveolar
Salivary gland	Inflammation, Chronic Focal
Spleen	Hematopoiesis
	Pigmentation, Nos
Urinary bladder	Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Pituitary gland	Anterior Pituitary	Cyst, Embryonal Duct
Spinal cord		Hemorrhage
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
		Tubular-Cell Adenoma
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Histiocytosis
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Nos
	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Inflammation, Active Chronic
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Cytoplasmic Vacuolization
Brain		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
Liver		Congenital Malformation, Nos
	Periportal	Metamorphosis, Fatty
Lung		Emphysema, Alveolar
		Pneumonia, Interstitial Chronic
Lymph node	Mesenteric Lymph Node	Edema, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

DOSE: 500.0 MG/KG

SEX: Male

DISP: Dosing Accident

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Spleen

Urethra

Angiectasis

Nephropathy

Cytoplasmic Vacuolization

Congestion, Nos

Emphysema, Alveolar

Hemorrhage

Hematopoiesis

Pigmentation, Nos

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_031

TRT#: 1
DOSE: 500.0 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Necrosis, Coagulative
Lung		Hemorrhage
		Pneumonia, Interstitial Chronic
Pancreas	Acinus	Hyperplasia, Focal
Seminal vesicle		Inflammation, Active Chronic
Stomach	Forestomach	Hyperkeratosis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Pancreas		Acinar-Cell Adenoma
	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Seminal vesicle		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_033

TRT#: 1
DOSE: 500.0 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney		Hyperplasia, Tubular Cell
	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Hyperplasia, Focal
Seminal vesicle		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Forestomach	Ulcer, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
Liver	Tubule	Pigmentation, Nos
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Necrosis, Coagulative
Pancreas		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Intestine Small	Duodenum	Ulcer, Acute
Kidney	Pelvis	Hyperplasia, Epithelial
		Hyperplasia, Tubular Cell
	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Nos
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenocarcinoma, Nos
	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Hemorrhagic
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Liver

Congestion, Nos

Lung

Congestion, Nos

Spleen

Emphysema, Alveolar

Urethra

Hematopoiesis

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
		Necrosis, Coagulative
Lung		Congestion, Nos
		Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		Oligospermia
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Medulla

Hyperplasia, Focal

Liver

Hyperplasia, Focal

Nephropathy

Lung

Bile Duct

Focal Cellular Change

Pancreas

Hyperplasia, Focal

Congestion, Nos

Spleen

Acinus

Acinar-Cell Adenoma

Stomach

Glandular Stomach

Atrophy, Nos

Testis

Tubule

Hematopoiesis

Pigmentation, Nos

Degeneration, Cystic

Degeneration, Nos

Thyroid

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Cyst, Embryonal Duct

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hemorrhage
Esophagus		Dilatation, Nos
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Necrosis, Coagulative
Lung		Congestion, Nos
		Hemorrhage
Lymph node	Mesenteric Lymph Node	Hemosiderosis
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
Thyroid		Cyst, Follicular Nos
Unspecified	Mediastinum Nos	Hemorrhage
	Neck	Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Brain

Cytoplasmic Vacuolization

Heart

Congestion, Nos

Kidney

Tubule

Inflammation, Chronic Focal

Liver

Mineralization

Nephropathy

Granuloma, Nos

Bile Duct

Hyperplasia, Focal

Metamorphosis, Fatty

Lung

Necrosis, Coagulative

Congestion, Nos

Prostate

Emphysema, Alveolar

Spinal cord

Inflammation, Active Chronic

Spleen

Congestion, Nos

Hematopoiesis

Testis

Pigmentation, Nos

Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Brain		Congestion, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Metamorphosis, Fatty
Lung		Congestion, Nos
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid		Hyperplasia, C Cell
Tongue		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Pelvis

Metamorphosis, Fatty

Liver

Bile Duct

Inflammation, Chronic Focal

Mammary gland

Pancreas

Pituitary gland

Seminal vesicle

Spinal cord

Spleen

Stomach

Testis

Glandular Stomach

Hemorrhage

Nephropathy

Cytoplasmic Vacuolization

Hyperplasia, Focal

Hyperplasia, Cystic

Hyperplasia, Focal

Adenoma, Nos

Inflammation, Active Chronic

Congestion, Nos

Pigmentation, Nos

Degeneration, Cystic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Inflammation, Acute Diffuse
	Forestomach	Ulcer, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Tongue		Hyperplasia, C Cell
		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone marrow		Hyperplasia, Hematopoietic
Heart	Epicardium	Inflammation, Chronic Focal Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Periarteritis
Kidney	Tubule	Mineralization Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Atrophy, Diffuse Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
Unspecified	Neck	Abscess, Chronic
	Neck	Fibrosarcoma
	Neck	Granuloma, Foreign Body
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Thoracic Cavity Nos	Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Heart	Endocardium Nos	Inflammation, Chronic Focal
		Inflammation, Chronic Focal
	Atrium	Thrombus, Organized
Intestine Large	Colon	Parasitism
Kidney	Cortex	Cyst, Multiple
		Nephropathy
Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Focal
Pancreas		Inflammation, Chronic Focal
Preputial gland		Carcinoma, Nos
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Active Chronic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Pheochromocytoma Pigmentation, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Emphysema, Alveolar Pneumonia, Interstitial Chronic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Seminal vesicle		Inflammation, Chronic Focal Metaplasia, Nos
Spleen		Hematopoiesis
		Hyperplasia, Lymphoid
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mesothelioma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
Penis	Prepuce Nos	Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos
Tubule

Metamorphosis, Fatty
Mineralization
Nephropathy

Liver

Tubule

Pigmentation, Nos
Angiectasis

Pancreas

Spinal cord

Testis

Tubule

Metamorphosis, Fatty
Inflammation, Chronic Focal
Congestion, Nos

Unspecified

Multiple Organs Nos

Degeneration, Nos
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Angiectasis Pheochromocytoma
Heart	Colon	Inflammation, Chronic Focal
Intestine Large	Pelvis	Parasitism
Kidney	Pelvis	Hemorrhage Hyperplasia, Epithelial Nephropathy
Liver	Tubule	Pigmentation, Nos Focal Cellular Change
Pituitary gland	Bile Duct	Hyperplasia, Focal
Spinal cord	Periportal	Inflammation, Chronic Focal Necrosis, Coagulative
Spleen	Anterior Pituitary	Cyst, Nos Congestion, Nos
Stomach	Glandular Stomach	Hematopoiesis
Testis	Tubule	Degeneration, Cystic Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Cytoplasmic Vacuolization Pigmentation, Nos
Brain		Astrocytoma
Heart		Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Steatitis
Kidney	Tubule Tubule	Mineralization Nephropathy Pigmentation, Nos
Liver		Focal Cellular Change
Pituitary gland	Bile Duct	Hyperplasia, Focal
Prostate	Anterior Pituitary	Adenoma, Nos
Spinal cord		Inflammation, Active Chronic
Spleen		Congestion, Nos
Stomach	Forestomach	Pigmentation, Nos
Testis		Hyperkeratosis
Unspecified	Neck	Hyperplasia, Interstitial Cell
Urethra		Interstitial-Cell Tumor Granuloma, Foreign Body Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
		Pheochromocytoma, Malignant
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Prostate		Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cytoplasmic Vacuolization

Kidney

Tubule

Inflammation, Chronic Focal

Mineralization

Liver

Nephropathy

Congestion, Nos

Lung

Bile Duct

Hyperplasia, Focal

Congestion, Nos

Lymph node

Mesenteric Lymph Node

Emphysema, Alveolar

Edema, Nos

Pituitary gland

Anterior Pituitary

Congestion, Nos

Prostate

Inflammation, Chronic Focal

Spleen

Pigmentation, Nos

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Urethra

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Pheochromocytoma

Intestine Large

Inflammation, Chronic Focal

Kidney

Colon

Parasitism

Tubule

Mineralization

Tubule

Nephropathy

Liver

Pigmentation, Nos

Focal Cellular Change

Bile Duct

Hyperplasia, Focal

Lung

Pneumonia, Interstitial Chronic

Pancreas

Acinar-Cell Adenoma

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Spinal cord

Hyperplasia, Focal

Spleen

Congestion, Nos

Testis

Tubule

Hematopoiesis

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Scrotum Nos

Steatitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Perineum	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization Nephropathy
Liver	Tubule	Pigmentation, Nos Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma Pneumonia, Interstitial Chronic
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis Pigmentation, Nos
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Congestion, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Hemorrhage
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
Pancreas	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic
Prostate		Hyperplasia, Focal
Skin	Tail	Hyperkeratosis
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Salivary gland		Inflammation, Chronic Focal
Seminal vesicle		Inflammation, Active Chronic
Skin	Hair Follicle	Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Hematoma, Nos
	Colon	Parasitism
Intestine Small	Mesentery Nos	Mesothelioma, Invasive
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Neoplastic Nodule
Lung		Hemorrhage
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Cyst, Embryonal Duct

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Brain	Ventricle	Hemorrhage
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Neoplastic Nodule
Pancreas	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Blood vessel	Mesenteric Artery Nos	Periarteritis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Lymphocytic Inflammatory Infiltrate
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Nos
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
	Tubule	Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Tubular-Cell Adenocarcinoma
Lung		Hyperplasia, Focal
Pancreas		Tubular-Cell Adenocarcinoma, Metastatic
	Acinus	Acinar-Cell Adenoma
Skin	Ear	Hyperplasia, Focal
Spleen		Neurofibroma
		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Intermedia	Adenoma, Nos
Prostate		Hyperplasia, Nos
Spinal cord		Congestion, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Glandular Stomach	Lymphocytic Inflammatory Infiltrate
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified		C-Cell Adenoma
		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Hemorrhage
Lung		Inflammation, Chronic Focal
Pancreas		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Congestion, Nos
Spinal cord		Hematopoiesis
Spleen		Degeneration, Cystic
Stomach	Glandular Stomach	Degeneration, Nos
Testis	Tubule	Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

DOSE: 250.0 MG/KG

SEX: Male

DISP: Dosing Accident

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart	Inflammation, Chronic Focal
Kidney	Congestion, Nos
Liver	Cytoplasmic Vacuolization
Lung	Emphysema, Alveolar
	Hemorrhage
Spleen	Hematopoiesis
Trachea	Hemorrhage
Urinary bladder	Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 250.0 MG/KG

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis Cortical Adenoma
	Medulla	Hyperplasia, Focal Inflammation, Chronic Focal
Heart		Hemorrhage
Kidney	Pelvis	Hyperplasia, Epithelial
	Pelvis	Mineralization
	Tubule	Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Seminal vesicle		Inflammation, Chronic Focal
Spleen	Follicles	Atrophy, Diffuse
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Pigmentation, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Hyperplasia, Focal

Intestine Large

Inflammation, Chronic Focal

Kidney

Colon

Parasitism

Tubule

Mineralization

Tubule

Nephropathy

Liver

Pigmentation, Nos

Focal Cellular Change

Pancreas

Bile Duct

Hyperplasia, Focal

Pituitary gland

Acinus

Hyperplasia, Focal

Skin

Anterior Pituitary

Cyst, Multiple

Spinal cord

Squamous Cell Carcinoma

Spleen

Congestion, Nos

Hematopoiesis

Testis

Tubule

Pigmentation, Nos

Degeneration, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Accessory Structure
		Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Kidney	Pelvis	Hyperplasia, Epithelial
	Tubule	Mineralization
		Nephropathy
Liver	Bile Duct	Cyst, Multilocular
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Hyperplasia, Epithelial
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma
	Multiple Organs Nos	Inflammation, Chronic Focal
	Multiple Organs Nos	Pigmentation, Nos
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Brain

Hyperplasia, Focal

Heart

Hemorrhage

Kidney

Tubule

Inflammation, Chronic Focal

Mineralization

Liver

Tubule

Nephropathy

Lymph node

Bile Duct

Pigmentation, Nos

Pancreas

Mandibular Lymph Node

Hyperplasia, Focal

Cyst, Nos

Prostate

Acinar-Cell Adenoma

Seminal vesicle

Inflammation, Chronic Focal

Testis

Tubule

Inflammation, Active Chronic

Inflammation, Active Chronic

Degeneration, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Pelvis	Hemorrhage
		Nephropathy
Liver	Tubule	Pigmentation, Nos
		Clear-Cell Change
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Neoplastic Nodule
Lung		Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
	Cortex Nos	Pigmentation, Nos
Brain		Atrophy, Pressure
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Congenital Malformation, Nos
		Focal Cellular Change
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Emphysema, Alveolar
		Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Inflammation, Active Chronic
Spleen	Capsule	Fibrosis, Focal
		Hematopoiesis
		Hyperplasia, Lymphoid
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
		Pigmentation, Nos
Liver		Congenital Malformation, Nos
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Necrosis, Coagulative
Lung		Histiocytosis
Pancreas	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 250.0 MG/KG

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Accessory Structure
	Cortex Nos	Metamorphosis, Fatty
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Necrosis, Coagulative
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Fibrosarcoma, Invasive
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Pigmentation, Nos
Unspecified		Fibrosarcoma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial
	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		Oligospermia
Urinary bladder		Calculus, Gross Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal Neoplastic Nodule
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Granuloma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

DOSE: 250.0 MG/KG

SEX: Male

DISP: Dosing Accident

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Brain

Congestion, Nos

Heart

Inflammation, Chronic Focal

Kidney

Congestion, Nos

Nephropathy

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Seminal vesicle

Inflammation, Chronic Focal

Spleen

Pigmentation, Nos

Thymus

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 250.0 MG/KG

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis Cortical Adenoma
	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
	Pericardium Nos	Steatitis
Kidney	Tubule	Mineralization Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Hyperplasia, Reticulum Cell
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
	Tubule	Interstitial-Cell Tumor
		Mineralization
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Salivary gland

Spinal cord

Urethra

Tubule

Angiectasis

Regeneration, Nos

Emphysema, Alveolar

Hemorrhage

Inflammation, Chronic Focal

Congestion, Nos

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Periportal	Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Seminal vesicle		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Forestomach	Erosion
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortex Nos

Medulla

Heart

Kidney

Tubule

Liver

Bile Duct

Periportal

Pancreas

Acinus

Islets

Pituitary gland

Anterior Pituitary

Salivary gland

Spinal cord

Spleen

Testis

Tubule

Thyroid

Unspecified

Angiectasis

Hyperplasia, Focal

Metamorphosis, Fatty

Pheochromocytoma

Inflammation, Chronic Focal

Nephropathy

Pigmentation, Nos

Focal Cellular Change

Hyperplasia, Focal

Inflammation, Chronic Focal

Hyperplasia, Focal

Islet-Cell Adenoma

Adenoma, Nos

Inflammation, Chronic Focal

Congestion, Nos

Hematopoiesis

Pigmentation, Nos

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, C Cell

Pigmentation, Nos

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Coagulative
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mesenteric Lymph Node	Hemosiderosis
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Acute Focal
Spleen		Hematopoiesis
	Capsule	Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Diffuse
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Cyst, Embryonal Duct
Urethra		Mesothelioma, Nos
		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Kidney	Pelvis	Hemorrhage
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Hemorrhage
Lung		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Congestion, Nos
Spinal cord		Hematopoiesis
Spleen		Pigmentation, Nos
	Glandular Stomach	Degeneration, Cystic
Stomach		Degeneration, Nos
Testis	Tubule	Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Scrotum Nos	Steatitis
Thyroid		C-Cell Adenoma
Tongue		Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain		Infarct, Acute
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Neoplastic Nodule
Pancreas		Inflammation, Chronic Focal
Spinal cord		Infarct, Acute
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Medulla

Pheochromocytoma

Kidney

Inflammation, Chronic Focal

Nephropathy

Liver

Nephrosis, Hydro

Focal Cellular Change

Hepatocytomegaly

Bile Duct

Hyperplasia, Focal

Periportal

Inflammation, Chronic Focal

Hemorrhage

Lung

Pneumonia, Interstitial Chronic

Lymph node

Mesenteric Lymph Node

Congestion, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spinal cord

Congestion, Nos

Spleen

Pigmentation, Nos

Stomach

Forestomach

Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Esophagus

Hemorrhage

Heart

Inflammation, Chronic Focal

Kidney

Congestion, Nos

Tubule

Mineralization

Liver

Congestion, Nos

Lung

Congestion, Nos

Spleen

Pigmentation, Nos

Unspecified

Mediastinum Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Forestomach	Hyperkeratosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain		Granular-Cell Tumor, Nos
Intestine Large	Colon	Parasitism
Kidney	Pelvis	Hyperplasia, Epithelial
	Tubule	Mineralization
		Nephropathy
Liver	Tubule	Pigmentation, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Necrosis, Coagulative
		Neoplastic Nodule
Lung		Pneumonia, Interstitial Chronic
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Lymphocytic Inflammatory Infiltrate
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Bronchopneumonia, Acute
		Foreign Body, Vegetable
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Atrophy, Diffuse
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
Tongue		Squamous Cell Papilloma
Unspecified	Mediastinum Nos	Hemorrhage
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Multifocal
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Pheochromocytoma

Intestine Large

Inflammation, Chronic Focal

Kidney

Colon

Parasitism

Liver

Tubule

Nephropathy

Pigmentation, Nos

Focal Cellular Change

Prostate

Bile Duct

Hyperplasia, Focal

Spinal cord

Periportal

Inflammation, Chronic Focal

Spleen

Inflammation, Active Chronic

Testis

Tubule

Congestion, Nos

Hematopoiesis

Degeneration, Nos

Thyroid

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Medulla

Hyperplasia, Focal

Intestine Large

Kidney

Colon

Tubule

Pheochromocytoma

Inflammation, Chronic Focal

Parasitism

Mineralization

Nephropathy

Liver

Tubule

Pigmentation, Nos

Focal Cellular Change

Bile Duct

Periportal

Hyperplasia, Focal

Inflammation, Chronic Focal

Neoplastic Nodule

Pancreas

Pituitary gland

Seminal vesicle

Spleen

Anterior Pituitary

Inflammation, Chronic Focal

Hyperplasia, Focal

Inflammation, Active Chronic

Hematopoiesis

Testis

Tubule

Pigmentation, Nos

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
	Atrium	Thrombus, Organized
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
		Tubular-Cell Adenocarcinoma
Liver		Hyperplasia, Focal
	Bile Duct	Inflammation, Chronic Focal
	Periportal	Metamorphosis, Fatty
		Necrosis, Coagulative
Pancreas		Inflammation, Chronic Focal
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar/Bronchiolar Adenoma
		Hemorrhage
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Spleen		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Pigmentation, Nos
		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Multifocal
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Interstitial Chronic
Pancreas		Acinar-Cell Adenoma
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Tubular-Cell Adenocarcinoma
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain		Astrocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
		Nephrosis, Hydro
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
Prostate		Inflammation, Acute Diffuse
Seminal vesicle		Inflammation, Acute Diffuse
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Hemorrhage
Urinary bladder		Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Metamorphosis, Fatty

Kidney

Inflammation, Chronic Focal

Hyperplasia, Tubular Cell

Liver

Bile Duct

Nephropathy

Hyperplasia, Focal

Lung

Metamorphosis, Fatty

Congestion, Nos

Edema, Nos

Pancreas

Hemorrhage

Inflammation, Chronic Focal

Spleen

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 250.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Cyst, Nos
Heart		Hyperplasia, Focal
Kidney	Pelvis	Inflammation, Chronic Focal
	Tubule	Hyperplasia, Epithelial
		Mineralization
		Nephropathy
Liver	Tubule	Pigmentation, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Multifocal
Pancreas	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenocarcinoma, Nos
Prostate		Inflammation, Active Chronic
Seminal vesicle		Hyperplasia, Epithelial
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Embryonal Duct
Urinary bladder		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Prostate		Inflammation, Active Chronic
Stomach	Forestomach	Hyperkeratosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal
	Multiple Organs Nos	Leukemia, Mononuclear Cell
		Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Medulla

Hyperplasia, Focal

Kidney

Pheochromocytoma

Inflammation, Chronic Focal

Liver

Tubule

Nephropathy

Pigmentation, Nos

Focal Cellular Change

Lung

Bile Duct

Hyperplasia, Focal

Pituitary gland

Periportal

Inflammation, Chronic Focal

Seminal vesicle

Anterior Pituitary

Hemorrhage

Hyperplasia, Focal

Spleen

Inflammation, Chronic Focal

Hematopoiesis

Stomach

Forestomach

Pigmentation, Nos

Squamous Cell Papilloma

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal Hemorrhage Pneumonia, Interstitial Chronic
Lung		Inflammation, Chronic Focal
Pancreas		Cholesterol Deposit
Pituitary gland	Anterior Pituitary	Congestion, Nos
Spinal cord		Pigmentation, Nos
Spleen		Degeneration, Cystic
Stomach	Glandular Stomach	Degeneration, Nos
Testis	Tubule	Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		C-Cell Carcinoma, Metastatic
		Hemorrhage
		Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Adenocarcinoma, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Hyperplasia, Focal

Intestine Small

Mesentery Nos

Inflammation, Chronic Focal

Kidney

Steatitis

Liver

Tubule

Nephropathy

Lung

Bile Duct

Pigmentation, Nos

Spleen

Focal Cellular Change

Testis

Tubule

Hyperplasia, Focal

Hemorrhage

Hematopoiesis

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis		Atrophy, Diffuse
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Intestine Small	Jejunum	Adenocarcinoma, Nos
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
Brain		Atrophy, Pressure
Heart		Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Histiocytosis
Pancreas	Acinus	Acinar-Cell Adenoma
		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Ulcer, Nos
Thyroid		Pigmentation, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar/Bronchiolar Adenoma
		Histiocytosis
Pancreas	Acinus	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_010

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Intestine Small	Mesentery Nos	Steatitis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Adenoma
		Bronchopneumonia, Chronic
		Hyperplasia, Alveolar Epithelium
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Hyperkeratosis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
Pancreas	Acinus	Atrophy, Focal
	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal Metamorphosis, Fatty
Lung		Histiocytosis
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Fibrosis, Focal Hematopoiesis
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Periportal	Inflammation, Chronic Focal
		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver

Prostate
Spleen
Testis

Cortex Nos

Colon

Bile Duct

Metamorphosis, Fatty
Inflammation, Chronic Focal
Parasitism
Nephropathy
Congestion, Nos
Hyperplasia, Focal
Metamorphosis, Fatty
Inflammation, Chronic Focal
Pigmentation, Nos
Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_016

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Histiocytosis
Lymph node	Mesenteric Lymph Node	Edema, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
		Infarct, Healed
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Hemorrhage
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland			Angiectasis
	Medulla		Hyperplasia, Focal
Heart			Inflammation, Chronic Focal
Kidney			Nephropathy
	Tubule		Pigmentation, Nos
Liver			Focal Cellular Change
	Bile Duct		Hyperplasia, Focal
	Periportal		Inflammation, Chronic Focal
			Neoplastic Nodule
Lung			Pneumonia, Interstitial Chronic
Pancreas	Acinus		Hyperplasia, Focal
Seminal vesicle			Inflammation, Active Chronic
Spinal cord			Congestion, Nos
Spleen			Hematopoiesis
Stomach	Glandular Stomach		Degeneration, Cystic
	Glandular Stomach		Inflammation, Chronic
Testis	Tubule		Degeneration, Nos
			Hyperplasia, Interstitial Cell
			Interstitial-Cell Tumor
Unspecified			Fibroma
	Mediastinum Nos		Steatitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Esophagus		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
		Histiocytosis
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
		Histiocytosis
		Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Hemorrhagic
Skin		Hyperplasia, Basal Cell
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Forestomach	Hyperkeratosis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid		C-Cell Adenoma
Trachea		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Liver
Pancreas
Seminal vesicle
Spinal cord
Spleen
Stomach
Unspecified

Tubule
Bile Duct

Glandular Stomach
Multiple Organs Nos

Angiectasis
Inflammation, Chronic Focal
Nephropathy
Pigmentation, Nos
Hyperplasia, Focal
Inflammation, Chronic Focal
Inflammation, Active Chronic
Congestion, Nos
Necrosis, Focal
Degeneration, Cystic
Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Prostate

Spleen

Testis

Thyroid

Tubule

Bile Duct

Tubule

Angiectasis

Inflammation, Chronic Focal

Nephropathy

Pigmentation, Nos

Focal Cellular Change

Hyperplasia, Focal

Inflammation, Active Chronic

Pigmentation, Nos

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Fibrosis, Focal
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Congestion, Nos
Testis	Tubule	Atrophy, Diffuse
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Pelvic Bones	Osteosarcoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Focal Cellular Change
		Hyperplasia, Focal
		Necrosis, Coagulative
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Seminal vesicle		Inflammation, Active Chronic
Skin	Pelvis	Lipoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hemorrhage
		Infarct, Acute
Heart		Inflammation, Chronic Focal
		Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Coagulative
Pituitary gland	Anterior Pituitary	Hemorrhage
Spinal cord		Congestion, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Clear-Cell Change
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Histiocytosis
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Angiectasis

Heart

Cortical Carcinoma

Intestine Large

Inflammation, Chronic Focal

Intestine Small

Colon

Cyst, Nos

Kidney

Mesentery Nos

Hemorrhage

Cortex

Cyst, Nos

Tubule

Nephropathy

Liver

Pigmentation, Nos

Lung

Focal Cellular Change

Spleen

Bile Duct

Hyperplasia, Focal

Stomach

Pneumonia, Interstitial Chronic

Testis

Glandular Stomach

Hematopoiesis

Tubule

Pigmentation, Nos

Thyroid

Follicle

Degeneration, Cystic

Urethra

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Cyst, Multiple

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Acute Focal
Skin	Lip Nos	Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Urethra		Calculus, Microscopic Examination
Zymbal gland		Sebaceous Adenocarcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Brain		Infarct, Acute
Kidney		Nephropathy
Liver	Bile Duct Periportal	Hyperplasia, Focal Inflammation, Chronic Focal
Skin		Hyperkeratosis
Spinal cord		Congestion, Nos
Stomach	Forestomach	Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 0

SEX: Male
DISP: Dosing Accident

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Congestion, Nos
		Nephropathy
Liver		Congestion, Nos
	Bile Duct	Cytoplasmic Vacuolization
	Periportal	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Necrosis, Coagulative
		Congestion, Nos
		Emphysema, Alveolar
		Hemorrhage
		Pneumonia, Interstitial Chronic
Pancreas		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Granuloma, Nos
		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney	Cortex	Hemorrhage
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Congenital Malformation, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Pneumonia, Interstitial Chronic
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
	Forestomach	Hyperplasia, Epithelial
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

DOSE: 0

SEX: Male

DISP: Accidentally Killed

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Congestion, Nos
	Bile Duct	Focal Cellular Change
		Hyperplasia, Focal
		Metamorphosis, Fatty
Spleen		Pigmentation, Nos
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Cystic Ducts
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Inflammation, Active Chronic
Spleen		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Blood vessel	Mesenteric Artery Nos	Periarteritis
Esophagus		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
		Neoplastic Nodule
Lung		Hemorrhage
		Histiocytosis
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Embryonal Duct

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma
		Congestion, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Seminal vesicle		Mesothelioma, Nos
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain		Atrophy, Pressure
		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Seminal vesicle		Inflammation, Active Chronic
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Heart

Inflammation, Chronic Focal

Liver

Congestion, Nos

Lung

Congestion, Nos

Edema, Nos

Spleen

Hemorrhage

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Pheochromocytoma

Kidney

Inflammation, Chronic Focal

Nephropathy

Liver

Tubule

Pigmentation, Nos

Focal Cellular Change

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Focal

Infarct, Acute

Lung

Hemorrhage

Pancreas

Acinus

Hyperplasia, Focal

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Cyst, Nos

Spinal cord

Congestion, Nos

Spleen

Hematopoiesis

Pigmentation, Nos

Testis

Tubule

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:14

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct Periportal	Hyperplasia, Focal Inflammation, Chronic Focal Neoplastic Nodule
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Hemorrhagic
Prostate		Inflammation, Chronic Focal
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urethra		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_042

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
		Cortical Adenoma
Kidney	Tubule	Mineralization
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
Seminal vesicle		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:14
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_043

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Congenital Malformation, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Pancreas	Acinus	Hyperplasia, Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tubule	Mineralization
Thyroid		Hyperplasia, Follicular Cell
		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:15

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Small

Kidney

Mesentery Nos

Liver

Lung

Pancreas

Salivary gland

Spinal cord

Spleen

Testis

Tubule

Trachea

Angiectasis

Inflammation, Chronic Focal

Steatitis

Congestion, Nos

Nephropathy

Congestion, Nos

Necrosis, Coagulative

Congestion, Nos

Hemorrhage

Histiocytosis

Hemorrhage

Inflammation, Chronic Focal

Congestion, Nos

Pigmentation, Nos

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:15

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Angiectasis
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Glandular Stomach	Degeneration, Cystic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:15
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_046

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Periportal	Inflammation, Chronic Focal
		Metamorphosis, Fatty
Pancreas	Acinus	Hyperplasia, Nos
		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Stomach	Forestomach	Hyperkeratosis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Isophorone
CAS Number: 78-59-1

Date Report Requested: 10/26/2014
Time Report Requested: 16:58:15
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_047

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Pheochromocytoma
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
	Periportal	Inflammation, Chronic Focal
Lung		Hemorrhage
		Histiocytosis
Pancreas		Inflammation, Chronic Focal
Seminal vesicle		Inflammation, Chronic Focal
Spinal cord		Congestion, Nos
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:15

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Medulla

Hyperplasia, Focal

Liver

Tubule

Pheochromocytoma

Lung

Bile Duct

Nephropathy

Pituitary gland

Anterior Pituitary

Pigmentation, Nos

Spinal cord

Spleen

Focal Cellular Change

Hyperplasia, Focal

Hemorrhage

Adenoma, Nos

Congestion, Nos

Hematopoiesis

Pigmentation, Nos

Stomach

Glandular Stomach

Degeneration, Cystic

Testis

Tubule

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Tubule

Mineralization

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Inflammation, Chronic Focal

Urethra

Calculus, Microscopic Examination

Urinary bladder

Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:15

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Pancreas

Pituitary gland

Spinal cord

Spleen

Testis

Unspecified

Tubule

Bile Duct

Anterior Pituitary

Tubule

Tunica Vaginalis

Multiple Organs Nos

Angiectasis

Nephropathy

Pigmentation, Nos

Focal Cellular Change

Hyperplasia, Focal

Hemorrhage

Histiocytosis

Hemorrhage

Hyperplasia, Focal

Congestion, Nos

Hematopoiesis

Pigmentation, Nos

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Mesothelioma, Nos

Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55618

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Isophorone

CAS Number: 78-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 16:58:15

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Angiectasis
Heart		Hyperplasia, Focal
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
Kidney		Steatitis
	Tubule	Nephropathy
Liver		Pigmentation, Nos
	Bile Duct	Focal Cellular Change
	Periportal	Hyperplasia, Focal
Lung		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hemorrhage
Prostate		Hyperplasia, Focal
Spinal cord		Inflammation, Active Chronic
Spleen		Congestion, Nos
		Hematopoiesis
Stomach	Glandular Stomach	Pigmentation, Nos
	Forestomach	Degeneration, Cystic
Testis	Tubule	Hyperkeratosis
		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE