

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

C Number:	C54604
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_001

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Nephropathy
Liver	Degeneration, Nos
	Hepatocellular Carcinoma
Spleen	Hematopoiesis
Thyroid	Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Kidney		Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hemangioma
		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Lung		Inflammation, Nos
Spleen		Angiosarcoma
		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_003

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lymph node
Thyroid

Pheochromocytoma
Mineralization
Hepatocellular Carcinoma
Angiectasis
Follicular-Cell Adenoma
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
Liver		Degeneration, Nos
		Inflammation, Nos
Lymph node		Hematopoiesis
Spleen		Hematopoiesis
Stomach		Hyperkeratosis
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_005

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Mineralization
Thyroid		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_006

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Stomach

Thyroid

Papilla

Pheochromocytoma

Mineralization

Nephropathy

Angiosarcoma

Degeneration, Nos

Hepatocellular Adenoma

Metamorphosis, Fatty

Hyperkeratosis

Inflammation, Nos

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Carcinoma
		Inflammation, Nos
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_008

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Inflammation, Nos
Metamorphosis, Fatty
Mineralization
Inflammation, Nos
Hematopoiesis
Acanthosis
Hyperkeratosis
Inflammation, Nos
Necrosis, Nos
Atrophy, Focal

Lung
Spleen
Stomach

Testis

Tubule

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_009

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney	Papilla	Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Adenoma
Prostate	Prostatic Urethra	Hyperplasia, Epithelial
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Carcinoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_011

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Gall bladder
Kidney
Liver

Pheochromocytoma
Hyperplasia, Epithelial
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Metamorphosis, Fatty
Hematopoiesis
Hyperkeratosis
Follicular-Cell Adenoma

Spleen
Stomach
Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_012

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Thyroid
Unspecified

Multiple Organs Nos

Hyperplasia, Follicular Cell
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lymph node
Spleen

Lymphoma, Nos-Malignant
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos Hyperplasia, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Nephropathy
Liver		Degeneration, Nos Hepatocellular Carcinoma
Lung		Hyperplasia, Alveolar Epithelium
Lymph node		Hematopoiesis
Spleen		Hematopoiesis
Thyroid		Cyst, Follicular Nos
Unspecified		Mineralization Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_015

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney

Peyers Patch

Liver

Spleen

Pheochromocytoma
Hyperplasia, Nos
Mineralization
Nephropathy
Angiosarcoma
Hepatocellular Carcinoma
Hemangioma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_016

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Spleen
Thyroid

Pheochromocytoma
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood	Hematopoietic System	Lymphoma, Nos-Malignant
Liver		Hepatocellular Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_018

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Nephropathy
Angiosarcoma
Degeneration, Nos
Hepatocellular Adenoma
Hyperkeratosis
Lymphoma, Nos-Malignant

Stomach
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_019

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver

Spleen

Pheochromocytoma
Mineralization
Nephropathy
Degeneration, Nos
Hemangioma
Hepatocellular Carcinoma
Hematopoiesis

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Hepatocellular Carcinoma
Stomach		Hyperkeratosis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Nephropathy
Liver	Degeneration, Nos Hepatocellular Carcinoma Inflammation, Nos
Spleen	Angiectasis
Thyroid	Hematopoiesis Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_022

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Gall bladder
Kidney
Liver

Spleen
Thyroid

Hyperplasia, Nos
Inflammation, Nos
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Spleen

Stomach

Thyroid

Pheochromocytoma

Nephropathy

Degeneration, Nos

Hepatocellular Carcinoma

Hematopoiesis

Lymphoma, Lymphocytic-Malignant Type

Hyperkeratosis

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_024

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Hemangiosarcoma
Kidney	Mineralization
Liver	Angiosarcoma
	Hepatocellular Adenoma
Spleen	Hemangiosarcoma
	Hematopoiesis
Thyroid	Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_025

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Thyroid
Unspecified

Multiple Organs Nos

Hyperplasia, Follicular Cell
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_026

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver
Thyroid

Hyperplasia, Nos
Mineralization
Nephropathy
Degeneration, Nos
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_027

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
Liver		Nephropathy
Lung		Degeneration, Nos
		Hepatocellular Adenoma
		Hyperplasia, Alveolar Epithelium
Spleen	Bronchiole	Inflammation, Focal
Thyroid		Hematopoiesis
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small

Medulla
Duodenum
Peyers Patch

Kidney
Liver
Spleen

Hyperplasia, Nos
Adenomatous Polyp, Nos
Hyperplasia, Nos
Nephropathy
Hepatocellular Carcinoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_030

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver
Lung
Preputial gland

Spleen
Stomach
Thyroid

Papilla

Pheochromocytoma
Mineralization
Nephropathy
Hepatocellular Carcinoma
Alveolar/Bronchiolar Adenoma
Hyperkeratosis
Inflammation, Nos
Hematopoiesis
Hyperkeratosis
Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_031

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Lymph node
Skin
Spleen
Testis
Thyroid
Unspecified

Pheochromocytoma
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Inflammation, Necrotizing
Hematopoiesis
Interstitial-Cell Tumor
Follicular-Cell Adenoma
Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_032

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Cortex Nos	Hypertrophy, Focal
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Nephropathy
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
Spleen		Hematopoiesis
Stomach		Inflammation, Nos
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_033

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Penis

Penile/Clitoral Fascia
Penile/Clitoral Fascia

Hemorrhage
Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_034

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hepatocellular Carcinoma, Metastatic
Follicular-Cell Adenoma

Lung
Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_035

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Harderian gland
Kidney

Hardarian Gland

Liver

Spleen
Thyroid

Pheochromocytoma
Adenoma, Nos
Mineralization
Nephropathy
Tubular-Cell Adenoma
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_036

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Liver

Lung
Thyroid

Hyperplasia, Nos
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Alveolar/Bronchiolar Carcinoma
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_037

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Heart

Medulla
Myocardium Nos

Kidney
Liver

Lymph node
Spleen
Thyroid

Hyperplasia, Nos
Degeneration, Nos
Inflammation, Nos
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Hematopoiesis
Follicular-Cell Adenoma
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_038

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Lung
Lymph node
Spleen

Stomach

Pheochromocytoma
Nephropathy
Angiectasis
Hepatocellular Carcinoma
Inflammation, Nos
Hemangioma
Angiosarcoma
Hematopoiesis
Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_039

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Nephropathy
Angiosarcoma
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis

Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_040

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Papilla

Mineralization

Nephropathy

Liver

Degeneration, Nos

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_041

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
		Nephropathy
Liver		Hematopoiesis
		Necrosis, Focal
Lymph node		Hematopoiesis
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_042

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver
Lung
Lymph node
Spleen
Thyroid

Pheochromocytoma
Mineralization
Nephropathy
Hepatocellular Carcinoma
Hepatocellular Carcinoma, Metastatic
Hematopoiesis
Hyperplasia, Reticulum Cell
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_043

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Papilla

Liver

Spleen
Stomach

Thyroid

Pheochromocytoma
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Acanthosis
Hyperkeratosis
Inflammation, Nos
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_044

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_045

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_046

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
Liver		Nephropathy
Lung		Degeneration, Nos
Unspecified	Multiple Organs Nos	Hepatocellular Adenoma
		Inflammation, Nos
		Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_047

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Nephropathy
Liver	Hepatocellular Carcinoma
Lung	Alveolar/Bronchiolar Adenoma
Spleen	Hematopoiesis
Stomach	Inflammation, Nos
Thyroid	Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_048

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Adenoma
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, Follicular Cell
Unspecified		Inflammation, Granulomatous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_049

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Degeneration, Nos Hepatocellular Carcinoma
Spleen	Hematopoiesis
Thyroid	Follicular-Cell Adenoma
Unspecified	Sarcoma, Nos
Urinary bladder	Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_050

TRT#: 1
DOSE: 300 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Skin
Spleen
Stomach

Nephropathy
Degeneration, Nos
Keratoacanthoma
Hematopoiesis
Acanthosis
Hyperkeratosis
Hyperplasia, Basal Cell
Inflammation, Nos
Necrosis, Nos
Inflammation, Nos

Unspecified

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Papilla	Mineralization
		Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Fibrosis
Hepatocellular Carcinoma
Necrosis, Ischemic
Alveolar/Bronchiolar Adenoma

Lung

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Degeneration, Nos

Hepatocellular Carcinoma

Lymph node

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_005

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Lymph node
Spleen

Mineralization
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Mineralization
	Nephropathy
Liver	Angiosarcoma
	Hepatocellular Carcinoma
	Mineralization
Lung	Alveolar/Bronchiolar Carcinoma
Lymph node	Hematopoiesis
Pancreas	Inflammation, Nos
Spleen	Angiosarcoma
	Hematopoiesis
Stomach	Hyperkeratosis

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_007

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver

Lung
Lymph node
Stomach

Pheochromocytoma
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Mineralization
Hematopoiesis
Acanthosis
Hyperkeratosis
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Hyperplasia, Nos

Mineralization

Nephropathy

Liver

Degeneration, Nos

Lung

Mineralization

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_009

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Heart

Myocardium Nos

Kidney
Liver

Adenoma, Nos
Degeneration, Nos
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Carcinoma, Nos, Uncertain Primary Or Metastatic
Atrophy, Focal
Hematopoiesis

Lung
Pancreas
Spleen

Acinus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_010

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Liver

Lung
Spleen
Thyroid

Hyperplasia, Nos
Degeneration, Nos
Hepatocellular Adenoma
Alveolar/Bronchiolar Adenoma
Hematopoiesis
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Mineralization

Liver

Nephropathy

Spleen

Degeneration, Nos

Hepatocellular Adenoma

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hyperplasia, Nos
Brain	Choroid Plexus Nos	Mineralization
Kidney		Mineralization
Liver		Degeneration, Nos
		Hepatocellular Adenoma
Lung		Inflammation, Nos
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH -

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver

Spleen
Stomach

Myocardium Nos

Pheochromocytoma
Degeneration, Nos
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis
Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_014

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Hyperplasia, Nos

Mineralization

Nephropathy

Liver

Degeneration, Nos

Lymph node

Lymphoma, Nos-Malignant

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_015

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver

Lung

Hyperplasia, Nos
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Brain	Choroid Plexus Nos	Mineralization
Intestine Large	Intestinal Tract	Metaplasia, Nos
Kidney		Mineralization
		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Spleen		Hematopoiesis
Stomach		Hyperkeratosis
		Hyperplasia, Epithelial
		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Harderian gland
Kidney
Liver

Lymph node

Spleen

Medulla
Hardarian Gland

Hyperplasia, Nos
Adenoma, Nos
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hemangioma
Hematopoiesis
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_018

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Hepatocellular Carcinoma
	Necrosis, Ischemic
Spleen	Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_019

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Gall bladder
Kidney

Hyperplasia, Nos
Hyperplasia, Epithelial
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Adenoma
Follicular-Cell Adenoma

Liver

Thyroid

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Mineralization
Degeneration, Nos
Hepatocellular Adenoma
Metamorphosis, Fatty
Hematopoiesis

Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_021

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney

Peyers Patch

Liver

Spleen

Hyperplasia, Nos
Hyperplasia, Nos
Mineralization
Nephropathy
Degeneration, Nos
Hepatocellular Adenoma
Metamorphosis, Fatty
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_022

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Hyperplasia, Nos

Liver

Pheochromocytoma

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_023

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Nephropathy
Tubular-Cell Adenoma

Liver

Degeneration, Nos
Hepatocellular Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Hyperplasia, Nos
Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Mineralization

Nephropathy

Liver

Degeneration, Nos

Hepatocellular Carcinoma

Metamorphosis, Fatty

Necrosis, Focal

Lung

Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney
Liver
Lung
Spleen

Jejunum

Hyperplasia, Nos
Adenocarcinoma, Nos
Nephropathy
Hepatocellular Carcinoma
Alveolar/Bronchiolar Carcinoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_026

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Pheochromocytoma
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Liver

Unspecified

Multiple Organs Nos

Hyperplasia, Nos
Mineralization
Nephropathy
Hemangioma
Hepatocellular Carcinoma
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node		Angiectasis
Pituitary gland		Dilatation, Nos
Testis	Tubule	Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_029

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Spleen

Hyperplasia, Nos
Mineralization
Degeneration, Nos
Hepatocellular Adenoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Gall bladder		Hyperplasia, Epithelial
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Mineralization
		Nephropathy
Liver		Angiosarcoma
		Degeneration, Nos
		Hepatocellular Adenoma
Lymph node		Angiectasis
		Hematopoiesis
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Atrophy, Nos

Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Unspecified

Hyperplasia, Nos
Mineralization
Degeneration, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_033

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Mineralization
Degeneration, Nos
Hepatocellular Adenoma
Necrosis, Focal
Hematopoiesis
Mineralization

Lymph node
Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Spleen

Mineralization
Degeneration, Nos
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Spleen

Pheochromocytoma
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_036

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Hyperplasia, Nos

Kidney

Pheochromocytoma

Liver

Nephropathy

Lung

Degeneration, Nos

Lymph node

Hepatocellular Carcinoma

Spleen

Alveolar/Bronchiolar Adenoma

Testis

Hemangioma

Hematopoiesis

Hematopoiesis

Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_037

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Mineralization
Degeneration, Nos
Hepatocellular Carcinoma
Metamorphosis, Fatty
Alveolar/Bronchiolar Adenoma
Hemangioma
Hematopoiesis
Hyperkeratosis
Hyperplasia, Follicular Cell
Lymphoma, Nos-Malignant

Lung
Lymph node
Spleen
Stomach
Thyroid
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_038

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Lymph node

Spleen
Stomach

Unspecified

Pheochromocytoma
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Inflammation, Nos
Metamorphosis, Fatty
Inflammation, Granulomatous
Inflammation, Nos
Lymphoma, Histiocytic-Malignant Type
Hematopoiesis
Hyperkeratosis
Hyperplasia, Epithelial
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_039

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos Hyperplasia, Nos
Kidney		Mineralization Nephropathy
Liver		Degeneration, Nos Hemangioma Hepatocellular Carcinoma Necrosis, Focal
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_040

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Mineralization
	Nephropathy
Liver	Degeneration, Nos
	Hepatocellular Carcinoma
	Metamorphosis, Fatty
Lymph node	Necrosis, Focal
	Hematopoiesis
	Inflammation, Granulomatous
Spleen	Mineralization
	Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_041

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Hyperplasia, Nos
Pheochromocytoma

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Mineralization

Liver

Nephropathy

Degeneration, Nos

Spleen

Hepatocellular Carcinoma

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_042

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Gall bladder		Hyperplasia, Epithelial
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Papilla	Mineralization
		Mineralization
		Nephropathy
Liver		Angiosarcoma
		Degeneration, Nos
		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
Lymph node		Angiectasis
		Hematopoiesis
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_043

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Thyroid

Hepatocellular Carcinoma
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_044

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Kidney		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Carcinoma
		Necrosis, Focal
Lymph node		Lymphoma, Nos-Malignant
Skin		Hyperkeratosis
		Inflammation, Nos
Spleen		Hematopoiesis
Unspecified		Inflammation, Nos
		Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_045

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Necrosis, Nos
Liver		Hematopoiesis
Skin	Head Nos	Adenocarcinoma, Nos
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Adenocarcinoma, Nos, Metastatic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_046

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Degeneration, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Follicular Cell
	Follicle	Hypertrophy, Nos
Unspecified		Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_047

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lymph node
Unspecified

Medulla

Hyperplasia, Nos
Nephropathy
Hepatocellular Carcinoma
Angiectasis
Fibrosis
Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_048

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Lymph node

Spleen
Unspecified

Multiple Organs Nos

Pheochromocytoma
Nephropathy
Degeneration, Nos
Hepatocellular Carcinoma
Hemangioma
Hematopoiesis
Inflammation, Granulomatous
Hematopoiesis
Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_049

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos Hyperplasia, Nos Pheochromocytoma
Gall bladder		Hyperplasia, Epithelial
Kidney		Mineralization
Liver		Degeneration, Nos Hepatocellular Adenoma
Lung		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_050

TRT#: 2
DOSE: 150 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Hyperplasia, Nos

Kidney

Pheochromocytoma

Liver

Mineralization

Nephropathy

Degeneration, Nos

Hepatocellular Carcinoma

Lung

Metamorphosis, Fatty

Inflammation, Nos

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_001

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Spleen

Hyperplasia, Nos
Mineralization
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_002

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Spleen		Hematopoiesis
Testis	Tubule	Atrophy, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
		Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_003

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lymph node
Spleen
Unspecified

Hematopoiesis
Hematopoiesis
Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_004

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Lymph node
Spleen

Hyperplasia, Nos
Hematopoiesis
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_005

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Spleen
Stomach
Unspecified

Multiple Organs Nos

Hyperplasia, Nos
Mineralization
Hematopoiesis
Inflammation, Nos
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_006

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Hypertrophy, Focal

Mineralization

Lung

Nephropathy

Inflammation, Nos

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_007

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Hypertrophy, Focal

Mineralization

Testis

Tubule

Nephropathy

Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
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
Ear

Intestine Small
Kidney
Liver
Lung
Spleen

Peyers Patch

Cortical Adenoma
Foreign Body, Reaction
Sarcoma, Nos
Hyperplasia, Nos
Nephropathy
Hepatocellular Carcinoma
Hepatocellular Carcinoma, Metastatic
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_009

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Lung
Lymph node

Mineralization
Metamorphosis, Fatty
Alveolar/Bronchiolar Adenoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
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

Heart

Kidney

Liver

Lung

Myocardium Nos

Hyperplasia, Nos

Degeneration, Nos

Nephropathy

Hepatocellular Carcinoma

Necrosis, Ischemic

Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_011

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Lymph node

Spleen

Stomach

Medulla

Adenoma, Nos

Hyperplasia, Nos

Mineralization

Nephropathy

Alveolar/Bronchiolar Adenoma

Hematopoiesis

Hematopoiesis

Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver
Spleen

Peyers Patch

Hyperplasia, Nos
Mineralization
Hepatocellular Adenoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Adenoma, Nos

Kidney

Pheochromocytoma

Liver

Mineralization

Lung

Hepatocellular Adenoma

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Mineralization
Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Liver
Pituitary gland
Spleen

Cortex Nos

Hypertrophy, Focal
Necrosis, Focal
Adenoma, Nos
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_016

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Small
Liver
Spleen

Peyers Patch

Hyperplasia, Nos
Metamorphosis, Fatty
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_017

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Hyperplasia, Nos
Kidney	Mineralization
Liver	Necrosis, Focal
Lung	Alveolar/Bronchiolar Adenoma
Lymph node	Lymphoma, Nos-Malignant
Pituitary gland	Adenoma, Nos
Spleen	Hematopoiesis

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Ear		Necrosis, Nos
Kidney		Abscess, Nos
Unspecified	Multiple Organs Nos	Hematopoiesis
	Multiple Organs Nos	Inflammation, Nos
		Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Small
Kidney

Jejunum

Adenocarcinoma, Nos
Mineralization
Nephropathy
Alveolar/Bronchiolar Carcinoma
Inflammation, Nos
Hematopoiesis

Lung

Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_020

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Liver

Hyperplasia, Nos
Hematopoiesis
Necrosis, Focal

Spleen
Unspecified

Hematopoiesis
Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_021

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hyperplasia, Nos
Heart		Mineralization
Kidney		Mineralization
		Nephropathy
Liver		Hematopoiesis
Lymph node		Inflammation, Nos
Pancreas		Necrosis, Nos
Penis		Inflammation, Nos
		Necrosis, Nos
Skin		Inflammation, Nos
Spleen		Hematopoiesis
Stomach		Hyperkeratosis
Testis	Tubule	Atrophy, Focal
Unspecified		Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_022

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Sarcoma, Nos, Invasive
Liver		Hepatocellular Carcinoma
		Sarcoma, Nos, Metastatic
Lung		Inflammation, Nos
Pancreas		Sarcoma, Nos, Invasive
Seminal vesicle		Sarcoma, Nos, Metastatic
Stomach		Hyperkeratosis
Unspecified	Abdominal Cavity	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_023

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lung

Bronchus

Hyperplasia, Nos
Mineralization
Hepatocellular Adenoma
Inflammation, Focal
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_024

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hyperplasia, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Mineralization
Liver		Angiosarcoma
Lung		Alveolar/Bronchiolar Adenoma
Lymph node		Hemangioma
		Hematopoiesis
Spleen		Angiosarcoma
		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_025

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Hyperplasia, Nos

Kidney

Nephropathy

Liver

Hepatocellular Carcinoma

Lung

Hepatocellular Carcinoma, Metastatic

Lymph node

Hematopoiesis

Spleen

Angiosarcoma

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Hematopoiesis
Spleen		Hematopoiesis
		Necrosis, Nos
Stomach		Hyperkeratosis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_027

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Nephropathy
Liver	Hepatocellular Carcinoma
Spleen	Hematopoiesis
Stomach	Hyperkeratosis
	Inflammation, Nos
Omentum Nos	Mineralization
Omentum Nos	Necrosis, Fat
	Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_028

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hyperplasia, Nos Pheochromocytoma
Kidney		Mineralization Nephropathy
Liver		Hemangioma
Skin		Inflammation, Nos
Spleen		Hematopoiesis
Stomach		Hyperkeratosis Inflammation, Nos
Testis	Tubule	Atrophy, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Glomerulosclerosis, Nos
Liver		Hepatocellular Carcinoma
Lung		Hemorrhage
Lymph node		Angiectasis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_030

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Hyperplasia, Nos

Kidney

Mineralization

Nephropathy

Lung

Hyperplasia, Alveolar Epithelium

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
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

Kidney

Mineralization

Lung

Nephropathy

Lymph node

Alveolar/Bronchiolar Adenoma

Stomach

Omentum Nos

Hematopoiesis

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lymph node
Spleen

Mineralization
Hematopoiesis
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_033

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Spleen

Nephropathy
Hepatocellular Carcinoma
Angiosarcoma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_034

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Lymph node
Spleen

Hyperplasia, Nos
Hematopoiesis
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lymph node

Cortex Nos

Hypertrophy, Focal
Mineralization
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_036

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Lung

Nephropathy
Hepatocellular Carcinoma
Alveolar/Bronchiolar Adenoma
Inflammation, Nos
Hematopoiesis
Inflammation, Nos

Unspecified

Multiple Organs Nos
Orbital Region

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_037

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Mineralization
Lung		Alveolar/Bronchiolar Adenoma
Lymph node		Hematopoiesis
Stomach		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_038

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Harderian gland
Kidney
Liver
Spleen

Hardarian Gland

Hyperplasia, Nos
Cystadenoma, Nos
Mineralization
Hepatocellular Adenoma
Hematopoiesis
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_039

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Adenoma, Nos
Inflammation, Nos
Mast-Cell Tumor
Mineralization
Metamorphosis, Fatty
Hematopoiesis
Hematopoiesis

Liver
Lymph node
Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_040

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver		Hepatocellular Adenoma
Lung	Bronchus	Inflammation, Nos
		Inflammation, Nos
Lymph node		Hematopoiesis
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_041

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lymph node

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
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
Kidney

Papilla

Hyperplasia, Nos
Mineralization
Nephropathy

Spleen
Unspecified

Multiple Organs Nos

Hematopoiesis
Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_044

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lung

Medulla

Hyperplasia, Nos
Nephropathy
Hepatocellular Carcinoma
Hepatocellular Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_045

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Spleen

Angiosarcoma

Urinary bladder

Hematopoiesis

Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
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

Kidney		Nephropathy
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
		Hepatocellular Carcinoma, Metastatic
Lymph node		Hematopoiesis
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
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

Kidney		Mineralization
		Nephropathy
Liver		Hepatocellular Adenoma
Spleen		Hemangioma
		Hematopoiesis
Testis	Tubule	Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_048

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Hyperplasia, Nos
Mineralization
Hepatocellular Adenoma
Metamorphosis, Fatty

Spleen
Unspecified

Multiple Organs Nos

Hematopoiesis
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_049

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar/Bronchiolar Adenoma
Spleen	Angiosarcoma

PRIMARY CAUSE OF DEATH

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Experiment Number: C54604
Test Type: Long-Term
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenedianiline dihydrochloride
CAS Number: 13552-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 14:25:37
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_050

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Spleen

Hyperplasia, Nos
Mineralization
Hematopoiesis

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****