

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

C Number: C03930

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lung

Parathyroid gland

Salivary gland

Testis

Inflammation, Chronic

Atelectasis

Congestion, Nos

Adenoma, Nos

Adenocarcinoma, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hemorrhage
		Thrombosis, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Fibrosarcoma, Metastatic
		Thrombosis, Nos
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Nephropathy, Toxic
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Lung

Hyperplasia, Adenomatous

Testis

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Granulocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Testis

Thyroid

Myocardium Nos

Follicle

Lipoidosis

Fibrosis

Inflammation, Chronic

Hyperplasia, Focal

Pneumonia, Chronic Murine

Atrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
		Nephrosis, Hydro
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Stomach	Omentum Nos	Sarcoma, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Kidney
Lung
Testis
Unspecified

Myocardium Nos
Colon

Fibrosis
Parasitism
Inflammation, Chronic
Pneumonia, Chronic Murine
Interstitial-Cell Tumor
Fibroma
Leukemia, Nos

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy, Toxic

Liver

Neoplastic Nodule

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Inflammation, Chronic
Kidney	Inflammation, Chronic
Lung	Hyperplasia, Adenomatous
	Pneumonia, Chronic Murine
Salivary gland	Atrophy, Nos
Testis	Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pituitary gland		Hyperplasia, Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Pancreas

Hemorrhage

Testis

Fibrosis, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Atelectasis

Testis

Congestion, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Bile Duct

Nephropathy, Toxic

Hyperplasia, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver
Pancreas
Testis

Myocardium Nos
Colon

Fibrosis
Parasitism
Inflammation, Chronic
Metamorphosis, Fatty
Atrophy, Focal
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy, Toxic

Liver

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Focal

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Cyst, Follicular Nos

Follicle

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Peritoneum		Mesothelioma, Nos
Seminal vesicle		Inflammation, Acute Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Hematoma, Nos

Liver

Fibrosis, Cholangio

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Bone marrow

Hyperplasia, Hematopoietic

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Ileum

Leiomyosarcoma

Liver

Fibrosis, Adeno

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas		Hemorrhage
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Salivary gland		Atrophy, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Preputial gland

Unspecified

Myocardium Nos

Atrium

Centrilobular

Islets

Pheochromocytoma

Fibrosis

Thrombosis, Nos

Inflammation, Chronic

Necrosis, Nos

Pneumonia, Chronic Murine

Islet-Cell Adenoma

Adenoma, Nos

Cyst, Dermal Inclusion

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver

Lung
Pituitary gland
Testis

Myocardium Nos
Colon

Bile Duct

Fibrosis
Parasitism
Inflammation, Chronic
Degeneration, Nos
Hyperplasia, Nos
Pneumonia, Chronic Murine
Cyst, Nos
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung		Inflammation, Interstitial
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Vacuolization

Unspecified

Multiple Organs Nos

Adenocarcinoma Nos Uncertain Primary/Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Testis

Pheochromocytoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Hyperplasia, Adenomatous

Testis

Interstitial-Cell Tumor

Unspecified

Adipose Tissue

Inflammation, Pyogranulomatous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Kidney
Pituitary gland

Myocardium Nos
Colon

Fibrosis
Adenomatous Polyp, Nos
Inflammation, Chronic
Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Stomach	Serosa	Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy, Toxic

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Preputial gland

Testis

Adenoma, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas		Acinar-Cell Adenoma
		Atrophy, Focal
Pituitary gland		Chromophobe Adenoma
Thyroid	Follicle	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_101

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Liver		Metamorphosis, Fatty
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Necrotizing
Seminal vesicle		Inflammation, Necrotizing
Stomach		Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_102

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Liver

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_103

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_104

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_105

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_106

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Demyelination
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_107

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pituitary gland

Testis

Myocardium Nos

Bile Duct

Cytoplasmic Vacuolization

Inflammation, Chronic Focal

Nephropathy, Toxic

Hyperplasia, Nos

Pneumonia, Chronic Murine

Atypia, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_108

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Heart

Intestine Large

Kidney

Liver

Lung

Testis

Unspecified

Myocardium Nos

Colon

Bile Duct

Multiple Organs Nos

Hyperplasia, Hematopoietic

Fibrosis

Parasitism

Inflammation, Chronic

Hyperplasia, Nos

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_109

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_110

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_111

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_112

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy, Toxic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_113

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver
Lung
Pituitary gland

Myocardium Nos
Colon

Bile Duct

Fibrosis
Parasitism
Inflammation, Chronic
Hyperplasia, Nos
Congestion, Nos
Chromophobe Adenoma
Hyperplasia, Focal
Inflammation, Acute Focal
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_114

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_115

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_116

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_117

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_118

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_119

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_120

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Sebaceous Adenocarcinoma, Metastatic
Skin		Sebaceous Adenocarcinoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_121

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_122

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver
Lung
Testis
Unspecified

Myocardium Nos
Colon

Bile Duct

Lipoidosis
Fibrosis
Parasitism
Inflammation, Chronic
Hyperplasia, Nos
Pneumonia, Chronic Murine
Interstitial-Cell Tumor
Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_123

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Skin

Testis

Myocardium Nos

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Chronic Focal

Nephropathy, Toxic

Cyst, Nos

Keratoacanthoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_124

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney
Pituitary gland

Peyers Patch

Pheochromocytoma
Inflammation, Granulomatous
Inflammation, Chronic
Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_125

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver
Lung
Pituitary gland
Salivary gland

Myocardium Nos
Colon

Bile Duct

Fibrosis
Parasitism
Inflammation, Chronic
Hyperplasia, Nos
Pneumonia, Chronic Murine
Chromophobe Adenoma
Hyperplasia, Epithelial
Metaplasia, Squamous
Interstitial-Cell Tumor
Leukemia, Granulocytic

Testis
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_126

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_127

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Thyroid

Myocardium Nos

Atrium

Centrilobular

Follicle

Pheochromocytoma

Fibrosis

Thrombosis, Nos

Inflammation, Chronic

Necrosis, Nos

Alveolar/Bronchiolar Adenoma

Hyperplasia, Adenomatous

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_128

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_129

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_130

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_131

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy, Toxic
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_132

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Salivary gland

Stomach

Myocardium Nos

Pheochromocytoma

Fibrosis, Diffuse

Inflammation, Chronic

Hyperplasia, Diffuse

Pneumonia, Chronic Murine

Adenocarcinoma, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_133

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Intestine Large
Lung
Salivary gland

Myocardium Nos
Colon

Fibrosis
Parasitism
Pneumonia, Chronic Murine
Hyperplasia, Epithelial
Metaplasia, Squamous
Interstitial-Cell Tumor
Leukemia, Nos

Testis
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_134

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Inflammation, Interstitial
		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Unspecified		Cyst, Dermal Inclusion
	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_135

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Thyroid

Unspecified

Myocardium Nos

Lipoidosis

Fibrosis

Inflammation, Chronic

Degeneration, Nos

Hyperplasia, Focal

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

C-Cell Carcinoma

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_136

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_137

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
		Tubular-Cell Adenoma
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_138

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Kidney
Lung
Pituitary gland

Myocardium Nos

Fibrosis
Inflammation, Chronic
Pneumonia, Chronic Murine
Chromophobe Adenoma
Hemorrhage
Metaplasia, Squamous
Interstitial-Cell Tumor

Salivary gland
Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_139

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Testis

Metamorphosis, Fatty

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_140

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_141

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_142

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_143

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Testis

Pheochromocytoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_144

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Prostate

Testis

Pheochromocytoma

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_145

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy, Toxic

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_146

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Nephropathy, Toxic
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_147

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lung

Nephropathy, Toxic

Hyperplasia, Adenomatous

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_148

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung	Alveolar/Bronchiolar Carcinoma
Testis	Interstitial-Cell Tumor
Thyroid	C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_149

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_150

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Lung
Pancreas
Pituitary gland
Testis

Inflammation, Chronic
Pneumonia, Chronic Murine
Atrophy, Focal
Chromophobe Adenoma
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_201

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Inflammation, Acute
Kidney		Nephropathy, Toxic
Liver	Centrilobular	Metamorphosis, Fatty
Stomach		Inflammation, Acute
Testis		Interstitial-Cell Tumor
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_202

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Pituitary gland

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Chromophobe Adenoma

Interstitial-Cell Tumor

Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_203

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_204

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_205

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Prostate		Inflammation, Chronic
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_206

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Pituitary gland

Testis

Pheochromocytoma

Inflammation, Chronic

Hyperplasia, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_207

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Metamorphosis, Fatty
Lung	Atelectasis
	Congestion, Nos
Preputial gland	Adenoma, Nos
Testis	Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_208

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Peritoneum		Mesothelioma, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Granulocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_209

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Testis

Unspecified

Multiple Organs Nos

Cytoplasmic Vacuolization

Interstitial-Cell Tumor

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_210

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy, Toxic

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_211

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large
Kidney
Liver
Lung
Pancreas
Testis

Colon

Bile Duct

Acinus

Parasitism
Nephropathy, Toxic
Hyperplasia, Nos
Pneumonia, Chronic Murine
Atrophy, Focal
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_212

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_213

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos Atrium	Fibrosis Thrombosis, Nos
Kidney		Inflammation, Chronic
Liver	Centrilobular	Congestion, Nos Necrosis, Nos
Lung		Alveolar/Bronchiolar Adenoma Hyperplasia, Adenomatous Pneumonia, Chronic Murine
Lymph node	Mediastinal Lymph Node Mediastinal Lymph Node	Congestion, Nos Hemorrhage
Testis		Interstitial-Cell Tumor
Urinary bladder		Calculus, Unknown Gross Or Micro

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_214

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_215

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Pituitary gland

Salivary gland

Testis

Myocardium Nos

Bile Duct

Cortical Adenoma

Fibrosis

Inflammation, Chronic

Hyperplasia, Focal

Hyperplasia, Nos

Pneumonia, Chronic Murine

Atrophy, Focal

Chromophobe Adenoma

Atrophy, Diffuse

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_216

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Lung

Pancreas

Pituitary gland

Testis

Thyroid

Unspecified

Pheochromocytoma

Fibrosis

Inflammation, Chronic

Hyperplasia, Focal

Hyperplasia, Nos

Pneumonia, Chronic Murine

Atrophy, Focal

Chromophobe Adenoma

Interstitial-Cell Tumor

Hyperplasia, Cystic

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_217

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_218

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Fibrosis
		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_219

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large
Lung

Colon

Parasitism
Atelectasis
Congestion, Nos

Skin

Dermis

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C03930

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p-Phenylenediamine dihydrochloride

CAS Number: 624-18-0

Date Report Requested: 10/26/2014

Time Report Requested: 17:39:23

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_220

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Pancreas

Acinar-Cell Adenoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****