

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C50260

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Eye

Retina

Degeneration, Nos

Heart

Inflammation, Nos

Kidney

Mineralization

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pituitary gland

Unspecified

Multiple Organs Nos

Pheochromocytoma

Mineralization

Nephrosis, Nos

Neoplastic Nodule

Adenoma, Nos

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Aortic Valve Nos	Thrombosis, Nos
Kidney		Fibrosis
		Mineralization
		Nephrosis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
		Thrombosis, Nos
Pancreas	Acinus	Atrophy, Nos
Stomach		Ulcer, Acute
Unspecified	Multiple Organs Nos	Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye	Retina	Degeneration, Nos
Kidney		Fibrosis
		Inflammation, Suppurative
		Nephrosis, Nos
Liver		Ectopia
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
		Neoplastic Nodule

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Inflammation, Nos
Kidney		Mineralization
Liver		Nephrosis, Nos
Pituitary gland		Inflammation, Chronic
		Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Congestion, Nos

Spleen

Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Inflammation, Interstitial
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Reticulum Cell
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Unspecified

Bile Duct

Pelvis Nos

Necrosis, Nos

Thrombosis, Nos

Mineralization

Nephrosis, Nos

Cytoplasmic Change, Nos

Hyperplasia, Nos

Cyst, Nos

Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Mineralization
		Nephrosis, Nos
Liver		Angiectasis
		Hepatocytomegaly
Pancreas		Ectopia
Unspecified	Inguinal Region Nos	Necrosis, Fat
Urinary bladder		Cyst, Epidermal Inclusion

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Kidney

Liver

Unspecified

Papilla

Bile Duct

Adipose Tissue

Multiple Organs Nos

Adipose Tissue

Hyperplasia, Hematopoietic

Mineralization

Nephrosis, Nos

Hyperplasia, Nos

Fibrosis

Leukemia, Nos

Mineralization

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Liver		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Liver		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Heart

Fibrosis

Kidney

Mineralization

Nephrosis, Nos

Mammary gland

Cyst, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Pheochromocytoma

Mineralization

Nephrosis, Nos

Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain

Kidney

Glioma, Nos

Fibrosis

Mineralization

Nephrosis, Nos

Liver

Pancreas

Bile Duct

Acinus

Hyperplasia, Nos

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Papilla	Mineralization
		Nephrosis, Nos
Liver		Cytoplasmic Change, Ground-Glass
		Necrosis, Coagulative
Ovary		Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Hemorrhage

Fibrosis

Fibrosis, Focal

Mineralization

Necrosis, Nos

Nephrosis, Nos

Lymph node

Mandibular Lymph Node

Hemosiderosis

Mandibular Lymph Node

Plasmacytosis

Pancreas

Acinus

Atrophy, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephrosis, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Fibrosis

Unspecified

Multiple Organs Nos

Leukemia, Nos

Uterus

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart

Kidney

Pancreas

Pituitary gland

Salivary gland

Acinus

Fibrosis

Mineralization

Nephrosis, Nos

Atrophy, Nos

Adenoma, Nos

Mineralization

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Liver		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
	Islets	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart

Kidney

Pancreas

Fibrosis

Mineralization

Nephrosis, Nos

Ectopia

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Thyroid		Papillary Cystadenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Kidney

Papilla

Mineralization

Liver

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Neoplastic Nodule

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Cataract

Kidney

Degeneration, Nos

Liver

Fibrosis

Pituitary gland

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
	Retina	Degeneration, Nos
	Sclera	Mineralization
Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Pancreas	Acinus	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye

Cornea

Cataract

Heart

Inflammation, Acute

Kidney

Fibrosis

Lung

Mineralization

Pituitary gland

Nephrosis, Nos

Uterus

Endometrium

Inflammation, Chronic

Adenoma, Nos

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Cataract

Kidney

Degeneration, Nos

Fibrosis

Lung

Mineralization

Nephrosis, Nos

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Pancreas

Acinus

Histiocytosis

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Hyperplasia, Epithelial Mineralization Nephrosis, Nos
Liver		Metamorphosis, Fatty
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Cyst, Nos
Unspecified	Tail	Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Pituitary gland

Unspecified

Acinus

Head

Angiectasis

Calculus, Unknown Gross Or Micro

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Atrophy, Nos

Adenoma, Nos

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Spleen

Nephrosis, Nos  
Adenoma, Nos  
Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Unspecified

Cyst, Nos

Fibrosis

Mineralization

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Inflammation, Chronic

Adenoma, Nos

Adnexal Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Fibrosis
		Mineralization
		Nephrosis, Nos
Liver		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pancreas

Unspecified

Bile Duct

Acinus

Multiple Organs Nos

Pheochromocytoma

Fibrosis

Mineralization

Nephrosis, Nos

Hyperplasia, Nos

Neoplastic Nodule

Atrophy, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Papilla

Pituitary gland

Thyroid

Cortical Adenoma

Hemorrhage

Nephrosis, Nos

Adenoma, Nos

C-Cell Adenoma

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Fibrosis

Fibrosis

Mineralization

Nephrosis, Nos

Parathyroid gland

Papillary Cystadenoma, Nos

Pituitary gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Pituitary gland

Acinus

Cyst, Nos

Mineralization

Nephrosis, Nos

Inflammation, Chronic

Acinar-Cell Adenoma

Atrophy, Nos

Adenoma, Nos

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Mammary gland

Retina

Cyst, Nos

Cataract

Degeneration, Nos

Mineralization

Nephrosis, Nos

Cystic Ducts

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Mineralization
		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Mammary gland

Pituitary gland

Retina

Bile Duct

Pheochromocytoma

Cataract

Degeneration, Nos

Mineralization

Nephrosis, Nos

Hyperplasia, Nos

Fibroadenoma

Adenoma, Nos

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Eye

Heart

Kidney

Pancreas

Pituitary gland

Sternum

Retina

Acinus

Pheochromocytoma

Necrosis, Nos

Cataract

Degeneration, Nos

Fibrosis

Nephrosis, Nos

Atrophy, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
		Cytoplasmic Change, Ground-Glass
		Inflammation, Chronic
		Neoplastic Nodule
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Thyroid		Cystic Follicles

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Inflammation, Chronic

Lung

Inflammation, Interstitial

Pancreas

Ectopia

Pituitary gland

Adenoma, Nos

Uterus

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Kidney

Fibrosis

Nephrosis, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mineralization

Liver

Bile Duct

Nephrosis, Nos

Mammary gland

Hyperplasia, Nos

Pituitary gland

Fibroadenoma

Thyroid

Adenoma, Nos

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pelvis

Fibrosis

Hyperplasia, Epithelial

Mineralization

Nephrosis, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Acute
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Nos
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
		Thrombosis, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Eye

Cataract

Retina

Degeneration, Nos

Sclera

Mineralization

Heart

Fibrosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Adenoma, Nos

Pituitary gland

Cyst, Nos

Adenoma, Nos

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis

Kidney

Thrombosis, Nos

Liver

Congestion, Nos

Lung

Congestion, Nos

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Brain		Malacia
Eye		Cataract
	Retina	Degeneration, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Growth Arrest
Heart		Fibrosis
Kidney		Mineralization
		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
Lung		Inflammation, Interstitial
Lymph node		Hyperplasia, Reticulum Cell
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis

Kidney

Nephrosis, Nos

Liver

Hemosiderosis

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus	Endometrium	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Pituitary gland

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Kidney		Nephrosis, Nos
Liver		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
		Ectopia
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Stomach		Inflammation, Suppurative
		Ulcer, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Mammary gland

Pancreas

Unspecified

Bile Duct

Acinus

Multiple Organs Nos

Fibrosis

Angiectasis

Hyperplasia, Nos

Cystadenoma, Nos

Atrophy, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Inflammation, Chronic

Pituitary gland

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Kidney

Unspecified

Sternum

Multiple Organs Nos

Pheochromocytoma

Necrosis, Nos

Nephrosis, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Clitoral gland		Carcinoma, Nos
Heart		Fibrosis
Liver		Angiectasis
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Intestine Large

Pancreas

Unspecified

Rectum

Acinus

Abdomen

Fibrosis

Nematodiasis

Atrophy, Nos

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Angiectasis

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic Inflammation, Chronic
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cytoplasmic Vacuolization

Spleen

Hemorrhage

Unspecified

Multiple Organs Nos

Leukemia, Nos

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Pancreas

Pituitary gland

Bile Duct

Acinus

Fibrosis

Nephrosis, Nos

Hyperplasia, Nos

Atrophy, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Astrocytoma

Heart

Fibrosis

Lung

Congestion, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney	Nephrosis, Nos
Liver	Cytoplasmic Change, Eosinophilic Cytoplasmic Change, Ground-Glass
Pituitary gland	Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
		Ectopia
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Mammary gland

Pituitary gland

Thyroid

Fibrosis

Nephrosis, Nos

Dilatation, Ducts

Fibroadenoma

Adenoma, Nos

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Kidney

Cornea

Inflammation, Acute

Liver

Bile Duct

Mineralization

Lung

Nephrosis, Nos

Pituitary gland

Hyperplasia, Nos

Inflammation, Interstitial

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Heart

Intestine Small

Kidney

Liver

Pancreas

Pituitary gland

Sternum

Mesentery Nos

Acinus

Pheochromocytoma

Necrosis, Nos

Fibrosis

Necrosis, Fat

Nephrosis, Nos

Inflammation, Chronic

Atrophy, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pancreas

Acinus

Unspecified

Multiple Organs Nos

Cyst, Hemorrhagic

Atrophy, Nos

Ectopia

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Cataract

Cornea

Degeneration, Nos

Kidney

Inflammation, Acute

Lung

Nephrosis, Nos

Pancreas

Acinus

Inflammation, Chronic

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
	Retina	Degeneration, Nos
Heart		Thrombosis, Nos
Kidney		Mineralization
		Nephrosis, Nos
Larynx		Hyperplasia, Nos
Liver		Cytoplasmic Change, Nos
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Acute
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Eosinophilic
		Cytoplasmic Change, Ground-Glass
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Pancreas

Unspecified

Tubule

Multiple Organs Nos

Fibrosis

Nephrosis, Nos

Pigmentation, Nos

Ectopia

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Inflammation, Acute
Intestine Large	Colon	Nematodiasis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Eosinophilic
		Cytoplasmic Change, Ground-Glass
		Inflammation, Chronic
Mammary gland		Fibroadenoma
Unspecified	Tail	Fibroma
Uterus		Thrombus, Organized

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Cataract

Degeneration, Nos

Sclera

Mineralization

Heart

Fibrosis

Kidney

Inflammation, Chronic

Liver

Inflammation, Chronic

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Cataract

Liver

Degeneration, Nos

Cytoplasmic Change, Eosinophilic

Cytoplasmic Change, Ground-Glass

Pancreas

Acinus

Inflammation, Acute

Uterus

Atrophy, Nos

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Cornea	Inflammation, Acute
Heart		Fibrosis
Kidney		Nephrosis, Nos
Larynx		Inflammation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
Lung	Alveoli	Histiocytosis

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye	Sclera	Mineralization
Heart		Fibrosis
Kidney		Nephrosis, Nos
Lung		Inflammation, Chronic
Pancreas		Ectopia

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone marrow

Eye

Kidney

Liver

Pituitary gland

Stomach

Unspecified

Cornea

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Myelo

Inflammation, Acute

Nephrosis, Nos

Cytoplasmic Change, Nos

Hyperplasia, Nos

Adenoma, Nos

Edema, Nos

Inflammation, Acute

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
		Pyelonephritis, Nos
Liver		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
		Ectopia
Pituitary gland		Angiectasis
		Congestion, Nos
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Cytoplasmic Change, Nos
Pancreas		Ectopia
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mineralization

Liver

Bile Duct

Nephrosis, Nos

Lung

Hyperplasia, Nos

Pancreas

Acinus

Inflammation, Chronic

Pituitary gland

Atrophy, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Kidney

Mineralization

Liver

Bile Duct

Nephrosis, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Nos

Abdominal Cavity

Leukemia, Nos

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver  
Pituitary gland  
Unspecified

Bile Duct  
  
Multiple Organs Nos

Hyperplasia, Nos  
Adenoma, Nos  
Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis

Liver

Inflammation, Chronic

Lung

Inflammation, Interstitial

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Kidney

Inflammation, Chronic

Liver

Angiectasis

Ovary

Cyst, Parovarian

Pancreas

Ectopia

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye	Sclera	Mineralization
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Heart

Kidney

Lung

Pituitary gland

Unspecified

Sternum

Abdominal Cavity

Mineralization

Necrosis, Nos

Fibrosis

Nephrosis, Nos

Inflammation, Interstitial

Adenoma, Nos

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Ear		Inflammation, Active Chronic
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart		Fibrosis
Intestine Large	Colon	Nematodiasis
Kidney		Nephrosis, Nos
Liver		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Cyst, Nos
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Spleen

Hematopoiesis

Unspecified

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Heart

Fibrosis

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Cataract

Cornea

Degeneration, Nos

Sclera

Inflammation, Acute

Heart

Mineralization

Kidney

Fibrosis

Liver

Bile Duct

Nephrosis, Nos

Pituitary gland

Hyperplasia, Nos

Skin

Inflammation, Chronic

Adenoma, Nos

Trichoepithelioma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Eye

Cataract

Retina

Degeneration, Nos

Cornea

Inflammation, Acute

Kidney

Mineralization

Mammary gland

Nephrosis, Nos

Dilatation, Ducts

Pituitary gland

Fibroadenoma

Thyroid

Adenoma, Nos

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Acute
Heart		Fibrosis
		Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Spleen

Unspecified

Multiple Organs Nos

Necrosis, Nos

Inflammation, Chronic

Cytoplasmic Change, Nos

Depletion, Lymphoid

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye	Cornea	Inflammation, Acute
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Galactocele
Nasal cavity	Nose Nos	Papilloma, Nos
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Mineralization
Kidney		Mineralization
Liver		Nephrosis, Nos
		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Mammary gland		Cystadenoma, Nos
		Dilatation, Ducts
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sacrum	Fibroma
	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Pancreas	Acinus	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma

Bone

Sternum

Necrosis, Nos

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Interstitial

Pituitary gland

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cornea

Inflammation, Acute

Heart

Sclera

Mineralization

Kidney

Fibrosis

Liver

Nephrosis, Nos

Lung

Inflammation, Chronic

Mammary gland

Inflammation, Chronic

Pituitary gland

Fibroadenoma

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Pituitary gland

Fibrosis

Nephrosis, Nos

Inflammation, Chronic

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis

Kidney

Nephrosis, Nos

Liver

Inflammation, Chronic

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Unspecified

Multiple Organs Nos

Necrosis, Nos

Arteriosclerosis, Nos

Fibrosis

Nephrosis, Nos

Cytoplasmic Vacuolization

Cystadenoma, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma

Heart

Fibrosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Spleen

Hemorrhage

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Hemorrhage

Liver

Hemorrhage

Necrosis, Nos

Spleen

Mineralization

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Intestine Large

Kidney

Pancreas

Unspecified

Colon

Acinus

Multiple Organs Nos

Fibrosis

Nematodiasis

Nephrosis, Nos

Atrophy, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Inflammation, Acute
Heart		Fibrosis
		Mineralization
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Pituitary gland		Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Eye

Cornea

Inflammation, Acute

Heart

Fibrosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Inflammation, Acute
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Inflammation, Chronic
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Cornea	Inflammation, Acute
Kidney		Mineralization
		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
	Retina	Degeneration, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Lung		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Stomach	Omentum Nos	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone marrow

Eye

Heart

Liver

Lung

Pituitary gland

Unspecified

Retina

Multiple Organs Nos

Cortical Adenoma

Necrosis, Nos

Cataract

Degeneration, Nos

Fibrosis

Cytoplasmic Change, Basophilic

Inflammation, Interstitial

Cyst, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Vascularization
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Lung		Inflammation, Interstitial
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Acute
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
		Neoplastic Nodule
Lung		C-Cell Carcinoma, Metastatic
Pancreas	Acinus	Atrophy, Nos
Thyroid		C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis

Kidney

Nephrosis, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Adenoma, Nos

Unspecified

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus	Endometrium	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Eye

Heart

Kidney

Liver

Uterus

Sternum

Retina

Sclera

Pheochromocytoma

Necrosis, Nos

Cataract

Degeneration, Nos

Mineralization

Fibrosis

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Kidney

Liver

Pancreas

Pituitary gland

Unspecified

Sternum

Bile Duct

Acinus

Multiple Organs Nos

Pheochromocytoma

Necrosis, Nos

Mineralization

Nephrosis, Nos

Cytoplasmic Change, Nos

Hyperplasia, Nos

Atrophy, Nos

Cyst, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Liver

Sternum

Bile Duct

Unspecified

Multiple Organs Nos

Hemorrhage

Necrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Inflammation, Chronic

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Lung		Inflammation, Interstitial
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Liver		Inflammation, Chronic
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney		Metamorphosis, Fatty
		Necrosis, Nos
		Nephrosis, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Unspecified	Multiple Organs Nos	Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye	Cornea	Inflammation, Acute
	Sclera	Mineralization
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Histiocytosis
Mammary gland		Fibroadenoma
Pancreas	Islets	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Inflammation, Chronic
Lung		C-Cell Carcinoma, Metastatic
Thyroid		C-Cell Carcinoma
Trachea		C-Cell Carcinoma, Invasive
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
Lung		Inflammation, Chronic
Thyroid	Follicle	Cystadenoma, Nos
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Eye

Heart

Kidney

Liver

Lung

Thyroid

Unspecified

Sternum

Cornea

Multiple Organs Nos

Adenoma, Nos

Necrosis, Nos

Inflammation, Acute

Fibrosis

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, C Cell

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pancreas

Pituitary gland

Unspecified

Acinus

Multiple Organs Nos

Hemorrhage

Atrophy, Nos

Adenoma, Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Clitoral gland		Carcinoma, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus	Endometrium	Hyperplasia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye		Hemorrhage
	Cornea	Inflammation, Acute
Heart		Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
Pituitary gland		Cyst, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Nos
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Kidney

Liver

Cornea

Sclera

Bile Duct

Cortical Adenoma

Inflammation, Acute

Mineralization

Fibrosis

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Inflammation, Chronic

Neoplastic Nodule

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone

Eye

Heart

Kidney

Liver

Pituitary gland

Uterus

Sternum

Cornea

Ganglioneuroma

Necrosis, Nos

Inflammation, Acute

Fibrosis

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Inflammation, Chronic

Adenoma, Nos

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Sternum

Necrosis, Nos

Eye

Cornea

Inflammation, Acute

Sclera

Mineralization

Heart

Fibrosis

Intestine Large

Colon

Nematodiasis

Kidney

Nephrosis, Nos

Mammary gland

Galactocele

Ovary

Cyst, Parovarian

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Inflammation, Acute
Heart		Fibrosis
		Inflammation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Chronic
		Necrosis, Coagulative
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Inflammation, Acute
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Nos
	Bile Duct	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Congestion, Nos

Liver

Bile Duct

Nephrosis, Nos

Lung

Hyperplasia, Nos

Mammary gland

Congestion, Nos

Pituitary gland

Cystadenoma, Nos

Spleen

Adenoma, Nos

Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Inflammation, Acute
Heart	Fibrosis
Kidney	Nephrosis, Nos
Liver	Cytoplasmic Change, Basophilic
Pituitary gland	Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C50260

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,6-Dichloro-p-phenylenediamine

**CAS Number:** 609-20-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 15:33:19

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Sternum	Necrosis, Nos
Eye	Cornea	Inflammation, Acute
Heart		Fibrosis
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Thyroid		Follicular-Cell Adenoma
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***