

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

<b>C Number:</b>	C00420B
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Female

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_001

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Meninges	Inflammation, Nos
Heart	Pericardium Nos	Inflammation, Nos
Kidney		Pyelonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Ovary		Granulosa-Cell Carcinoma
Spleen		Granulosa-Cell Carcinoma, Metastatic
Stomach		Ulcer, Focal

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney		Pyelonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Mammary gland  
Pituitary gland  
Stomach

Adenocarcinoma, Nos  
Chromophobe Adenoma  
Ulcer, Focal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Uterus

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Intestine Large  
Pituitary gland

Colon

Nematodiasis  
Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Unspecified	Groin	Fibroma
Uterus		Hydrometra

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland  
Ovary  
Thyroid

Pneumonia, Chronic Murine  
Fibroadenoma  
Cyst, Nos  
Follicular-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Liver		Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Unspecified	Axilla	Hematoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Uterus

Pneumonia, Chronic Murine  
Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Eye	Iris	Inflammation, Nos Pannus
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Skin		Acanthosis Hyperkeratosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Mammary gland

Angiectasis  
Inflammation, Chronic  
Abscess, Nos  
Fibroadenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Thyroid  
Unspecified

Pneumonia, Chronic Murine  
Follicular-Cell Carcinoma  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Mixed Tumor, Malignant

Mammary gland

Pneumonia, Chronic Murine

Pituitary gland

Fibroadenoma

Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver  
Mammary gland

Hyperplasia, Nos  
Fibroadenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis  
Degeneration, Nos  
Inflammation, Nos

Thymus

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_020

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
	Pericardium Nos	Inflammation, Nos
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Vagina		Polyp, Inflammatory

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Liver

Inflammation, Chronic

Lung

Bile Duct

Hyperplasia, Nos

Ovary

Pneumonia, Chronic Murine

Uterus

Cyst, Nos

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland  
Pituitary gland

Pneumonia, Chronic Murine  
Fibroma  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Mammary gland	Fibroadenoma
Pituitary gland	Chromophobe Adenoma
Urinary bladder	Endometrial Stromal Sarcoma, Metastatic
Uterus	Endometrial Stromal Sarcoma

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**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Mammary gland	Fibroadenoma
Pituitary gland	Chromophobe Adenoma
Thyroid	Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos

Carcinoma, Nos, Metastatic  
Inflammation, Chronic  
Nephrosis, Hydro  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos  
Hematopoiesis  
Carcinoma, Nos, Metastatic

Liver  
Lung  
Pancreas  
Spleen  
Stomach

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Esophagus		Squamous Cell Carcinoma, Metastatic
Intestine Small	Ileum	Squamous Cell Carcinoma, Metastatic
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Ovary		Squamous Cell Carcinoma, Metastatic
Pancreas		Squamous Cell Carcinoma, Metastatic
Pituitary gland		Chromophobe Adenoma
Spleen		Squamous Cell Carcinoma, Metastatic
Stomach		Squamous Cell Carcinoma, Metastatic
Uterus		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Eye  
Stomach

Squamous Cell Papilloma  
Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Uterus	Hydrometra

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Lung  
Mammary gland  
Pituitary gland

Focal Cellular Change  
Pneumonia, Chronic Murine  
Fibroadenoma  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Eye	Lacrimal Gland	Inflammation, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland

Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Lung  
Mammary gland

Colon

Nematodiasis  
Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Uterus		Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Thyroid		Cyst, Follicular Nos
Uterus		Hydrometra

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Lung  
Ovary  
Pituitary gland  
Thymus

Colon

Nematodiasis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Cyst, Nos  
Chromophobe Adenoma  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Ovary	Cyst, Nos
Pituitary gland	Chromophobe Adenoma
Uterus	Hydrometra

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Angiectasis
Lung	Pneumonia, Chronic Murine
Spleen	Hematopoiesis
Uterus	Thrombosis, Nos Hydrometra

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Pituitary gland  
Thyroid

Chromophobe Adenoma  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Ovary

Cortex Nos

Degeneration, Nos  
Granulosa-Cell Carcinoma

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Mammary gland

Centrilobular

Necrosis, Nos  
Adenocarcinoma, Nos

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Thyroid

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Cyst, Follicular Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Thyroid		C-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty
Thyroid		Cyst, Follicular Nos
Uterus		Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Uterus		Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Uterus

Inflammation, Chronic  
Chromophobe Adenoma  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Lung

Inflammation, Chronic

Mammary gland

Pneumonia, Chronic Murine

Thyroid

Fibroadenoma

Follicular-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Pituitary gland  
Thyroid

Pneumonia, Chronic Murine  
Chromophobe Adenoma  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Mammary gland  
Spleen  
Stomach

Centrilobular

Necrosis, Nos  
Fibroadenoma  
Hematopoiesis  
Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland  
Uterus

Pneumonia, Chronic Murine  
Fibroadenoma  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland  
Ovary  
Pituitary gland  
Spleen  
Thyroid

Adenocarcinoma, Nos  
Cystadenocarcinoma, Nos  
Chromophobe Adenoma  
Hematopoiesis  
C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung	Adenocarcinoma, Nos, Metastatic
	Pneumonia, Chronic Murine
Mammary gland	Adenocarcinoma, Nos
Ovary	Cyst, Nos
Stomach	Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Spleen		Hematopoiesis
Uterus		Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Lung  
  
Ovary  
Pancreas  
Spleen  
Stomach  
Urinary bladder  
Uterus

Angiectasis  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Pneumonia, Chronic Murine  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 1300 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Thyroid

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Mammary gland	Fibroadenoma
Pituitary gland	Chromophobe Adenoma
Uterus	Hydrometra

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_002

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland		Carcinoma, Nos, Metastatic
Intestine Large	Large Intestine, Colon	Carcinoma, Nos, Metastatic
Intestine Small	Ileum	Carcinoma, Nos, Metastatic
Kidney		Carcinoma, Nos, Metastatic
Liver		Carcinoma, Nos, Metastatic
Lung		Carcinoma, Nos, Metastatic
Ovary		Carcinoma, Nos, Metastatic
Pancreas		Carcinoma, Nos
Spleen		Carcinoma, Nos, Metastatic
Stomach		Carcinoma, Nos, Metastatic
Urinary bladder		Carcinoma, Nos, Metastatic
Uterus		Carcinoma, Nos, Metastatic
Vagina		Carcinoma, Nos, Metastatic

**PRIMARY CAUSE OF DEATH** -

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Ovary	Cyst, Nos
Pituitary gland	Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney

Ileum

Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Inflammation, Chronic  
Pyelonephritis, Nos  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic

Lung  
Pancreas  
Spleen  
Stomach

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Ovary	Granulosa-Cell Tumor
Thyroid	Cyst, Follicular Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
	Squamous Cell Carcinoma, Metastatic
Ovary	Inflammation, Nos
Peritoneum	Inflammation, Nos
Skeletal muscle	Squamous Cell Carcinoma, Metastatic
Uterus	Inflammation, Nos
Vagina	Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Mammary gland  
Ovary  
Pituitary gland  
Thyroid

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Fibroadenoma  
Granulosa-Cell Tumor  
Chromophobe Adenoma  
Cyst, Follicular Nos  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Abscess, Nos
Lung	Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Aorta Nos	Calcification, Medial
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Calcium Deposit
		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
Thyroid		Cyst, Follicular Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland		Carcinoma, Nos, Metastatic
Intestine Small	Ileum	Carcinoma, Nos, Metastatic
Lung		Carcinoma, Nos, Metastatic
Ovary		Carcinoma, Nos, Metastatic
Pancreas		Carcinoma, Nos
Spleen		Carcinoma, Nos, Metastatic
Stomach		Carcinoma, Nos, Metastatic

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Spleen

Inflammation, Nos  
Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland

Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Liver  
Lung  
Pituitary gland

Inflammation, Chronic  
Peliosis Hepatis  
Pneumonia, Chronic Murine  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Pituitary gland  
Uterus

Chromophobe Adenoma  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Liver

Degeneration, Nos

Focal Cellular Change

Bile Duct

Hyperplasia, Cystic

Inflammation, Focal

Lung

Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

Ovary

Cyst, Nos

Granulosa-Cell Tumor

Pituitary gland

Chromophobe Adenoma

Skin

Keratoacanthoma

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Carcinoma, Nos, Metastatic
Lung		Carcinoma, Nos, Metastatic
Pancreas		Carcinoma, Nos
Stomach		Carcinoma, Nos, Metastatic
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Pituitary gland  
Salivary gland  
Unspecified

Multiple Organs Nos

Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Inflammation, Chronic  
Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Lung  
Ovary  
Thyroid

Pheochromocytoma  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Cyst, Nos  
Follicular-Cell Adenoma  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Unspecified	Abdominal Cavity	Hemangiosarcoma
Uterus		Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Stomach	Ulcer, Focal
Uterus	Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney

Hamartoma

Lung

Pyelonephritis, Nos

Ovary

Pneumonia, Chronic Murine

Cyst, Nos

Granulosa-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Spleen  
Stomach  
Unspecified

Multiple Organs Nos

Hematopoiesis  
Ulcer, Focal  
Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Mammary gland  
Pituitary gland  
Uterus

Inflammation, Chronic  
Fibroadenoma  
Chromophobe Adenoma  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Liver

Bile Duct

Degeneration, Nos

Lung

Hyperplasia, Nos

Pituitary gland

Pneumonia, Chronic Murine

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Mammary gland  
Skin

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Mammary gland	Fibroadenoma
Spleen	Hematopoiesis
Stomach	Ulcer, Focal
Uterus	Intussusception
Vagina	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Intestine Small	Mesentery Nos	Carcinoma, Nos, Metastatic
Liver		Carcinoma, Nos, Metastatic
Lung		Carcinoma, Nos, Metastatic
		Pneumonia, Chronic Murine
Pancreas		Carcinoma, Nos
Stomach		Carcinoma, Nos, Metastatic

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Liver

Inflammation, Chronic

Lung

Hyperplasia, Nos

Mammary gland

Pneumonia, Chronic Murine

Pituitary gland

Fibroadenoma

Thyroid

Chromophobe Adenoma

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2600 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Intestine Large	Large Intestine, Colon	Carcinoma, Nos, Metastatic
Intestine Small	Ileum	Carcinoma, Nos, Metastatic
Kidney		Nephrosis, Hydro
Liver	Bile Duct	Hyperplasia, Nos
Lung		Carcinoma, Nos, Metastatic
Pancreas		Carcinoma, Nos
Spleen		Carcinoma, Nos, Metastatic
Stomach		Carcinoma, Nos, Metastatic
Urinary bladder		Carcinoma, Nos, Metastatic
Uterus		Carcinoma, Nos, Metastatic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 2600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland

Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Aorta Nos	Calcification, Medial
Kidney		Inflammation, Chronic
Pituitary gland		Chromophobe Adenoma
Salivary gland		Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Liver

Tubular-Cell Adenocarcinoma

Lung

Angiectasis

Ovary

Pneumonia, Chronic Murine

Pituitary gland

Cyst, Nos

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Lung  
Mammary gland  
Uterus

Bile Duct

Hyperplasia, Nos  
Pneumonia, Chronic Murine  
Fibroadenoma  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Centrilobular	Necrosis, Nos
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Hyperplasia, Cystic
Mammary gland	Fibroadenoma
Pituitary gland	Chromophobe Adenoma
Thyroid	Follicular-Cell Adenoma
Uterus	Hydrometra

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Cystic
Lung		Pneumonia, Chronic Murine
Thyroid		Follicular-Cell Adenoma
Uterus		Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_042

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Cystic Peliosis Hepatis
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Uterus		Hydrometra

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_043

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung  
Mammary gland  
Ovary  
Pituitary gland  
Thyroid

Pneumonia, Chronic Murine  
Fibroadenoma  
Cyst, Nos  
Chromophobe Adenoma  
Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_044

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Thyroid	C-Cell Carcinoma
Uterus	Hydrometra

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Mixed Tumor, Malignant
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Intestine Large  
Intestine Small

Large Intestine, Colon  
Ileum  
Mesentery Nos

Lung  
Pancreas  
Spleen  
Stomach

Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos, Metastatic  
Carcinoma, Nos  
Hematopoiesis  
Carcinoma, Nos, Metastatic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pituitary gland	Chromophobe Adenoma
Uterus	Endometrium Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420B  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrofen  
**CAS Number:** 1836-75-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:54:12  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_050

**TRT#:** 3  
**DOSE:** 2600 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Centrilobular	Necrosis, Nos
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***