

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**C Number:** C00453  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Female

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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**

Lung  
Stomach

Pneumonia, Chronic Murine  
Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_002

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Lung  
Mammary gland

Angiectasis  
Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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:**

---

**OBSERVATIONS**

Stomach  
Unspecified

Abdominal Viscera

Ulcer, Focal  
Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_004

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Pituitary gland  
Uterus

Endometrium

Angiectasis  
Inflammation, Chronic  
Chromophobe Adenoma  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_005

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

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

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

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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:**

---

**OBSERVATIONS**

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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**

Adrenal gland  
Heart  
Kidney  
Spleen  
Unspecified

Myocardium Nos

Flank

Angiectasis  
Degeneration, Nos  
Inflammation, Chronic  
Hematopoiesis  
Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Unspecified	Groin	Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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:**

---

**OBSERVATIONS**

Pituitary gland  
Thyroid

Angiectasis  
Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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**

Trachea  
Uterus

Inflammation, Nos  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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:**

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_012

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

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

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

---

**OBSERVATIONS**

Mammary gland  
Pituitary gland  
Thyroid

Fibroadenoma  
Chromophobe Adenoma  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_013

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Mammary gland  
Pituitary gland

Endocardium Nos

Angiectasis  
Hyperplasia, Nos  
Fibroadenoma  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_014

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
  
Pituitary gland

Bile Duct  
Bile Duct

Angiectasis  
Inflammation, Chronic  
Dilatation, Nos  
Hyperplasia, Nos  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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**

Kidney	Inflammation, Chronic
Liver	Inflammation, Nos
Trachea	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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:**

---

**OBSERVATIONS**

Adrenal gland  
Thyroid  
Uterus

Angiectasis  
C-Cell Adenoma  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_017

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

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

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

---

**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Ovary	Carcinoma, Nos
Spleen	Hematopoiesis
Stomach	Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_018

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

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

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

---

**OBSERVATIONS**

Kidney  
Uterus

Mixed Tumor, Malignant  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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:**

---

**OBSERVATIONS**

Bone marrow

Metamorphosis, Fatty

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**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**

Adrenal gland  
Kidney  
Mammary gland  
Uterus

Angiectasis  
Inflammation, Chronic  
Fibroadenoma  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_021

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Uterus

Bile Duct

Angiectasis  
Inflammation, Chronic  
Hyperplasia, Nos  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_022

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Mammary gland  
Ovary  
Pituitary gland  
Trachea

Angiectasis  
Inflammation, Chronic  
Fibroadenoma  
Cyst, Nos  
Chromophobe Adenoma  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_024

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

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

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

---

**OBSERVATIONS**

Kidney  
Lung  
Pituitary gland

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_025

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Thyroid

Angiectasis  
Inflammation, Chronic  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_026

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

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
Unspecified	Axilla	Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_027

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

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

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

---

**OBSERVATIONS**

Lung  
Pituitary gland

Pneumonia, Chronic Murine  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_028

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

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Ovary		Cyst, Nos
Pituitary gland		Chromophobe Adenoma
Unspecified	Back	Basal-Cell Carcinoma
Uterus		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_029

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Liver  
Lung

Angiectasis  
Neoplastic Nodule  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_030

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

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

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

---

**OBSERVATIONS**

Kidney  
Lung  
Thyroid

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_031

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

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

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

---

**OBSERVATIONS**

Mammary gland  
Pituitary gland

Hyperplasia, Nos  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_032

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

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

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

**OBSERVATIONS**

Adrenal gland  
Blood vessel  
Kidney  
Ovary  
Pituitary gland  
Stomach  
Uterus

Aorta Nos

Angiectasis  
Arteriosclerosis, Nos  
Inflammation, Chronic  
Granulosa-Cell Tumor  
Chromophobe Adenoma  
Calcium Deposit  
Hydrometra

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_033

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

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

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

---

**OBSERVATIONS**

Kidney  
Lung  
Mammary gland  
Skin

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Fibroadenoma  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_034

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Uterus

Endometrium

Angiectasis  
Inflammation, Chronic  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_035

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

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Uterus		Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_036

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

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

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

---

**OBSERVATIONS**

Intestine Large  
Liver  
Spleen  
Unspecified  
Uterus

Large Intestine, Colon

Axilla

Parasitism  
Inflammation, Nos  
Hematopoiesis  
Fibroma  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_037

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

**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:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_038

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Uterus

Angiectasis  
Inflammation, Chronic  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_039

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Thyroid

Angiectasis  
Inflammation, Chronic  
Focal Cellular Change  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_040

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

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

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

---

**OBSERVATIONS**

Kidney  
Mammary gland  
Thyroid  
Unspecified

Groin

Inflammation, Chronic  
Fibroadenoma  
Follicular-Cell Carcinoma  
Lipoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_041

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

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

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

---

**OBSERVATIONS**

Lung  
Pituitary gland

Pneumonia, Chronic Murine  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_042

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

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

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

---

**OBSERVATIONS**

Kidney  
Lung  
Stomach

Pyelonephritis, Nos  
Pneumonia, Chronic Murine  
Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_043

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

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

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

---

**OBSERVATIONS**

Lung Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_044

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

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

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

**OBSERVATIONS**

Intestine Small	Duodenum	Hemangiosarcoma
Liver		Inflammation, Nos
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis
Stomach		Ulcer, Focal
Unspecified	Flank	Hemangiosarcoma
Uterus		Hydrometra

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_045

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

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

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

---

**OBSERVATIONS**

Kidney  
Lymph node

Cervical Lymph Node Nos

Lipoma  
Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_046

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

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

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

---

**OBSERVATIONS**

Mammary gland  
Pituitary gland

Fibroadenoma  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_047

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Thyroid

Angiectasis  
Inflammation, Chronic  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_048

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Thyroid  
Trachea  
Uterus

Angiectasis  
Hamartoma  
C-Cell Adenoma  
Inflammation, Nos  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_049

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

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

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Thyroid	C-Cell Adenoma
Uterus	Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_050

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

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

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Metamorphosis, Fatty
Mammary gland	Fibroadenoma
Trachea	Inflammation, Nos
Uterus	Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Spleen	Capsule	Fibrosis
Thyroid		Cystic Follicles
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
Heart	Myocardium Nos	Fibrosis, Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Uterus	Endometrium	Hyperplasia, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Cytologic

Heart

Myocardium Nos

Hypertrophy, Nos

Liver

Bile Duct

Inflammation, Nos

Hepatocytes

Hyperplasia, Nos

Bile Duct

Hypertrophy, Nos

Thyroid

Inflammation, Nos

Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Eye		Cataract
		Inflammation, Nos
		Melanoma, Malignant
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Cyst, Nos
Pituitary gland		Chromophobe Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Eye		Cataract
	Iris	Inflammation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Chromophobe Adenoma
Uterus	Endometrium	Hyperplasia, Nos
	Endometrium	Inflammation, Nos
		Pyometra

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
	Pelvis	Inflammation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver		Metamorphosis, Fatty
	Centrilobular	Necrosis, Nos
Ovary		Hemangiosarcoma
Spleen		Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Liver

Bile Duct  
Bile Duct

Lung  
Mammary gland  
Spleen

Angiectasis  
Focal Cellular Change  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Lymphoid  
Fibroadenoma  
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Kidney  
Liver

Lung  
Mammary gland  
Uterus

Cortex Nos

Bile Duct  
Hepatocytes  
Bile Duct

Angiectasis  
Degeneration, Cytologic  
Hypertrophy, Nos  
Inflammation, Chronic  
Focal Cellular Change  
Hyperplasia, Nos  
Hypertrophy, Nos  
Inflammation, Nos  
Neoplastic Nodule  
Hyperplasia, Lymphoid  
Adenocarcinoma, Nos  
Pyometra

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Adenocarcinoma, Nos
		Cyst, Nos
		Fibroadenoma
Pituitary gland		Hyperplasia, Chromophobe Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Ovary		Luteoma
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Cytologic  
Hypertrophy, Nos  
Inflammation, Chronic  
Fibroadenoma  
Hemangiosarcoma  
Acanthosis  
Hyperkeratosis  
Ulcer, Focal

Kidney

Mammary gland

Spleen

Stomach

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Ear	External Ear	Squamous Cell Carcinoma
Liver		Granuloma, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Cervical Lymph Node Nos	Squamous Cell Carcinoma, Metastatic
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
		Inflammation, Nos
Ovary		Cyst, Nos
Pituitary gland		Chromophobe Adenoma
Uterus		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Liver	Periportal	Necrosis, Nos
Mammary gland		Adenocarcinoma, Nos
Ovary		Granulosa-Cell Tumor
Spleen		Hematopoiesis
Unspecified	Axilla	Fibrosarcoma
	Neck	Fibrosarcoma
	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver  
Mammary gland  
Pituitary gland

Metamorphosis, Fatty  
Adenoma, Nos  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Adenoma, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_020

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Cyst, Nos
		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Liver

Lung

Mammary gland

Bile Duct

Bile Duct

Angiectasis

Hyperplasia, Nos

Inflammation, Nos

Hyperplasia, Lymphoid

Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Cytologic

Kidney

Hypertrophy, Nos

Unspecified

Multiple Organs Nos

Nephrosis, Hydro

Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Intestine Large	Anal Canal Nos	Hemangiosarcoma
Kidney		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Adenoma
Spleen		Hematopoiesis
Stomach		Ulcer, Focal
Unspecified		Fibroma
Uterus	Endometrium	Hyperplasia, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Lung		Hyperplasia, Lymphoid
Ovary		Cyst, Follicular Nos
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis
Stomach		Ulcer, Nos
Uterus		Pyometra

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Spleen		Hemangiosarcoma
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung	Bronchus	Abscess, Nos
		Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Thyroid		C-Cell Carcinoma
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Heart		Necrosis, Nos
		Periarteritis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Thyroid		Cystic Follicles
		Hyperplasia, C Cell
Unspecified	Axilla	Lipoma
Uterus	Endometrium	Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Bile Duct  
Bile Duct

Lung  
Mammary gland  
Uterus

Endometrium

Angiectasis  
Hyperplasia, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Metamorphosis, Fatty  
Hyperplasia, Lymphoid  
Fibroadenoma  
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Cytologic

Kidney

Hypertrophy, Nos

Lung

Inflammation, Chronic

Ovary

Hyperplasia, Lymphoid

Uterus

Endometrium

Cyst, Follicular Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic
Vagina		Fibrosis

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Heart		Fibrosis, Diffuse
	Myocardium Nos	Inflammation, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
		Inflammation, Nos
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Lung  
Mammary gland  
Spleen

Angiectasis  
Leukemoid Reaction  
Inflammation, Nos  
Fibroadenoma  
Leukemoid Reaction

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Liver

Mammary gland

Pituitary gland

Thyroid

Cortex Nos

Bile Duct

Degeneration, Cytologic

Hypertrophy, Nos

Dilatation, Nos

Focal Cellular Change

Adenocarcinoma, Nos

Cyst, Nos

C-Cell Adenoma

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_039

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Cyst, Nos
		Hyperplasia, Lymphoid
Pancreas		Atrophy, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Thyroid		C-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct Hepatocytes	Hyperplasia, Nos Hypertrophy, Nos Neoplastic Nodule
Mammary gland		Fibroadenoma
Skin	Face	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Thyroid		Cystic Follicles Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Bile Duct  
Bile Duct  
Hepatocytes

Lung  
Uterus

Endometrium

Angiectasis  
Inflammation, Chronic  
Dilatation, Nos  
Hyperplasia, Nos  
Hypertrophy, Nos  
Metamorphosis, Fatty  
Hyperplasia, Lymphoid  
Endometrial Stromal Polyp  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Pancreas	Islets	Islet-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas	Islets	Hyperplasia, Nos
Pineal gland	Pineal Body	Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland		Degeneration, Cytologic
	Cortex Nos	Hypertrophy, Nos
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Eye		Cataract
		Inflammation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Uterus	Endometrium	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Brain		Astrocytoma
Liver	Bile Duct	Dilatation, Nos
		Metamorphosis, Fatty
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Liver  
Lung  
Mammary gland  
Stomach  
Unspecified

Bile Duct

Back

Angiectasis  
Hyperplasia, Nos  
Hyperplasia, Lymphoid  
Fibroadenoma  
Ulcer, Nos  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 250 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Cytologic

Hypertrophy, Nos

Liver

Focal Cellular Change

Lung

Hyperplasia, Lymphoid

Mammary gland

Fibroadenoma

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

Uterus

Hydrometra

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_001

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos Mineralization
Kidney		Mineralization
Liver	Bile Duct Bile Duct	Dilatation, Nos Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
Stomach		Acanthosis Hyperkeratosis
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_002

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Angiectasis  
Degeneration, Nos

Liver

Bile Duct  
Bile Duct

Hypertrophy, Nos  
Hyperplasia, Nos  
Inflammation, Nos

Lung

Hyperplasia, Lymphoid

Mammary gland

Adenocarcinoma, Nos

Pituitary gland

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Angiectasis  
Degeneration, Nos  
Hypertrophy, Nos  
Squamous Cell Carcinoma

Ear

External Ear

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Bile Duct

Bile Duct

Lung

Mammary gland

Thyroid

Angiectasis

Inflammation, Chronic

Hyperplasia, Nos

Hypertrophy, Nos

Inflammation, Nos

Hyperplasia, Lymphoid

Adenocarcinoma, Nos

Fibroadenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Brain		Astrocytoma
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
		Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
		Hypertrophy, Nos
Lung	Bile Duct	Inflammation, Nos
		Hyperplasia, Lymphoid
Uterus	Endometrium	Inflammation, Nos
		Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Mammary gland		Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Eye Fibrosarcoma

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Adenocarcinoma, Nos, Metastatic
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Spleen		Hematopoiesis
Stomach		Ulcer, Focal
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
	Centrilobular	Necrosis, Nos
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_016

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Brain  
Kidney  
Liver

Bile Duct  
Bile Duct  
Bile Duct

Angiectasis  
Astrocytoma  
Inflammation, Chronic  
Dilatation, Nos  
Hyperplasia, Nos  
Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_017

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Nos Hypertrophy, Nos
Esophagus		Squamous Cell Carcinoma
Heart	Myocardium Nos	Inflammation, Nos
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Thyroid		C-Cell Adenoma
Uterus		Pyometra

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Chromophobe Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Dilatation, Nos Hypertrophy, Nos
Lung		Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver

Bile Duct

Dilatation, Nos

Mammary gland

Bile Duct

Hyperplasia, Nos

Thyroid

Fibroadenoma

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Salivary gland  
Stomach

Inflammation, Suppurative  
Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Hematopoiesis
Liver	Bile Duct	Dilatation, Nos
		Hematopoiesis
	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Papillary

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver

Bile Duct

Hyperplasia, Nos  
Hypertrophy, Nos

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_025

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Angiectasis  
Degeneration, Nos  
Hypertrophy, Nos

Liver

Bile Duct  
Bile Duct

Dilatation, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Mammary gland  
Stomach

Fibroadenoma  
Acanthosis  
Hyperkeratosis

Uterus

Endometrium

Ulcer, Nos  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_026

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Angiectasis

Kidney

Degeneration, Nos

Liver

Hypertrophy, Nos

Bile Duct

Inflammation, Chronic

Bile Duct

Dilatation, Nos

Bile Duct

Hyperplasia, Nos

Stomach

Inflammation, Nos

Urinary bladder

Acanthosis

Hyperkeratosis

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Ear	External Ear	Squamous Cell Carcinoma
Heart		Mineralization
Kidney		Mineralization
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_028

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Eye	Cornea	Inflammation, Nos
	Iris	Inflammation, Nos
		Synechia, Anterior
Heart		Fibrosis, Diffuse
Kidney		Inflammation, Chronic
	Pelvis	Inflammation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Adenocarcinoma, Nos
		Galactocele
Spleen		Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Angiectasis  
Degeneration, Nos  
Hypertrophy, Nos

Liver

Bile Duct  
Bile Duct  
Bile Duct

Dilatation, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Squamous Cell Carcinoma, Metastatic

Lung

Stomach  
Thyroid  
Uterus

Acanthosis  
Squamous Cell Carcinoma  
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Skeletal muscle  
Stomach

Head

Fibrosarcoma  
Acanthosis  
Hyperkeratosis  
Ulcer, Nos

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Angiectasis

Degeneration, Nos

Hypertrophy, Nos

Liver

Cytoplasmic Vacuolization

Hypertrophy, Nos

Lung

Adenocarcinoma, Nos, Metastatic

Mammary gland

Adenocarcinoma, Nos

Spleen

Hematopoiesis

Stomach

Ulcer, Focal

Uterus

Pyometra

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_037

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
		Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Ovary		Cyst, Follicular Nos
Pancreas		Atrophy, Nos
Stomach		Acanthosis
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_039

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Nos Hypertrophy, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Hypertrophy, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Cystic Follicles Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_041

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Degeneration, Nos Hypertrophy, Nos
Eye		Cataract Dysplasia, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Stomach		Ulcer, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Degeneration, Nos

Kidney

Pelvis

Hypertrophy, Nos

Liver

Bile Duct

Inflammation, Nos

Lung

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Nos

Hyperplasia, Lymphoid

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Stomach  
Unspecified

Bile Duct

Multiple Organs Nos

Angiectasis  
Inflammation, Chronic  
Hyperplasia, Nos  
Ulcer, Nos  
Lymphoma, Histiocytic-Malignant Type  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_044

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Cortical Adenoma Degeneration, Nos Hypertrophy, Nos
Kidney		Inflammation, Chronic Nephropathy, Toxic
Liver	Bile Duct Bile Duct	Dilatation, Nos Hyperplasia, Nos Hypertrophy, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Skeletal muscle	Head	Sarcoma, Nos
Spleen		Hematopoiesis Sarcoma, Nos, Metastatic
Thyroid		Cystic Follicles
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Angiectasis  
Degeneration, Nos  
Hypertrophy, Nos

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Dilatation, Nos
	Bile Duct	Hyperplasia, Nos
		Hypertrophy, Nos
	Bile Duct	Inflammation, Nos
Ovary		Cyst, Nos
Spleen		Hemangiosarcoma
Stomach		Acanthosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Metamorphosis, Fatty
Spleen		Adenocarcinoma, Nos
		Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00453  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sulfallate  
**CAS Number:** 95-06-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:39:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3  
**DOSE:** 500 PPM

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

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

---

**OBSERVATIONS**

Stomach

Acanthosis  
Hyperkeratosis  
Papilloma, Nos

---

PRIMARY CAUSE OF DEATH

-

---

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