

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

C Number: C50033A

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Pituitary gland

Chromophobe Adenoma

Spleen

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Pituitary gland | Chromophobe Adenoma |
| Preputial gland | Carcinoma, Nos |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow
Eye

Cortex Nos

Hyperplasia, Focal

Retina

Fibrosis, Myelo

Atrophy, Nos

Microphthalmia

Lens, Cortex

Mineralization

Colon

Ulcer, Acute

Intestine Large

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Lymph node

Mesenteric Lymph Node

Angiectasis

Pituitary gland

Hyperplasia, Chromophobe Cell

Uterus

Endometrium

Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain

Lung

Mammary gland

Pituitary gland

Atrophy, Pressure

Pneumonia, Chronic Murine

Lactation

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Lung

Mammary gland

Pituitary gland

Angiectasis

Pneumonia, Chronic Murine

Galactocele

Hemorrhage

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|---------------|-------------------------|
| Liver | Focal Cellular Change |
| Lung | Granuloma, Foreign Body |
| Mammary gland | Fibroadenoma |
| Spleen | Hematopoiesis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------|
| Brain | Atrophy, Pressure |
| Lung | Congestion, Nos |
| Mammary gland | Galactocele |
| Pituitary gland | Chromophobe Adenoma |
| | Congestion, Nos |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|---------------|---------------------|---------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pneumonia, Chronic Murine |
| Mammary gland | | Galactocele |
| Unspecified | Multiple Organs Nos | Congestion, Nos |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Pigmentation, Nos

Liver

Centrilobular

Degeneration, Nos

Centrilobular

Necrosis, Nos

Lung

Pneumonia, Chronic Murine

Stomach

Submucosa

Edema, Nos

Inflammation, Acute

Unspecified

Forestomach

Ulcer, Acute

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Nephropathy, Toxic

Liver

Degeneration, Nos

Metamorphosis, Fatty

Lung

Centrilobular

Necrosis, Nos

Unspecified

Alveoli

Hemorrhage

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

| | | |
|--------|---------------|----------------------------------|
| Kidney | | Calculus, Unknown Gross Or Micro |
| Liver | Centrilobular | Degeneration, Nos |
| | Centrilobular | Necrosis, Nos |
| Spleen | | Hematopoiesis |
| Uterus | | Adenocarcinoma, Nos |
| | | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|-----------------|---------------------|---------------------------|
| Heart | Myocardium Nos | Fibrosis |
| Liver | | Neoplastic Nodule |
| Lung | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Pituitary gland | | Chromophobe Adenoma |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Uterus

Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Medulla

Hyperplasia, Focal

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Mammary gland

Adenocarcinoma, Nos

Spleen

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|--------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Pancreas

Unspecified

Adipose Tissue

Pheochromocytoma

Calculus, Unknown Gross Or Micro

Focal Cellular Change

Pneumonia, Chronic Murine

Fibroadenoma

Atrophy, Focal

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

Adrenal gland

Brain

Liver

Lung

Mammary gland

Pituitary gland

Unspecified

Adipose Tissue

Inflammation, Chronic

Hemorrhage

Focal Cellular Change

Pneumonia, Chronic Murine

Adenocarcinoma, Nos

Chromophobe Adenoma

Steatitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Lung

Lens, Capsule

Mineralization

Spleen

Pneumonia, Chronic Murine

Uterus

Hemosiderosis

Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

Liver
Lung
Pituitary gland
Spleen

Focal Cellular Change
Pneumonia, Chronic Murine
Chromophobe Adenoma
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Congestion, Nos

Lung

Congestion, Nos

Mammary gland

Pneumonia, Chronic Murine

Pancreas

Adenoma, Nos

Uterus

Endometrium

Atrophy, Focal

Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Lung

Congestion, Nos

Ovary

Congestion, Nos

Skin

Ear

Inflammation, Nos

Ear

Ulcer, Nos

Uterus

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Galactocele |
| Ovary | Cyst, Follicular Nos |
| Pituitary gland | Chromophobe Adenoma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Centrilobular

Degeneration, Nos

Centrilobular

Necrosis, Nos

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|-----------------|---------------------------|
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Galactocele |
| Pituitary gland | Chromophobe Adenoma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

Liver

Angiectasis

Lung

Focal Cellular Change

Mammary gland

Pneumonia, Chronic Murine

Pituitary gland

Fibroadenoma

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Lung

Pituitary gland

Spleen

Inflammation, Chronic

Congestion, Nos

Chromophobe Adenoma

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Lung

Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

Pancreas

Atrophy, Focal

Pituitary gland

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Congestion, Nos

Pelvis

Hemorrhage

Lung

Pneumonia, Chronic Murine

Ovary

Congestion, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|---------------|---------------------|-------------------------------|
| Lung | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Pancreas | | Inflammation, Chronic Diffuse |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Mammary gland

Pituitary gland

Pneumonia, Chronic Murine

Fibroadenoma

Galactocele

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Brain | Atrophy, Pressure |
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Pituitary gland | Chromophobe Adenoma |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Lung

Pneumonia, Chronic Murine

Lymph node

Mediastinal Lymph Node

Inflammation, Chronic

Pituitary gland

Chromophobe Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|--------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|------------------------|---------------------------|
| Brain | | Atrophy, Pressure |
| Intestine Large | Large Intestine, Colon | Parasitism |
| Liver | | Focal Cellular Change |
| Lung | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Ovary | Mesovarium | Galactocele |
| Pituitary gland | | Mesothelioma, Nos |
| | | Chromophobe Adenoma |
| | | Cyst, Nos |
| Preputial gland | | Carcinoma, Nos |
| Skin | | Squamous Cell Carcinoma |
| Spleen | | Hematopoiesis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Ovary | Congestion, Nos |
| Pituitary gland | Angiectasis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Spleen

Stomach

Unspecified

Adipose Tissue

Congestion, Nos

Hemosiderosis

Ulcer, Focal

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|--------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|----------------|---------------------------|
| Heart | Myocardium Nos | Fibrosis |
| Liver | | Focal Cellular Change |
| Lung | | Pneumonia, Chronic Murine |
| Pituitary gland | | Chromophobe Adenoma |
| Spleen | | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Microphthalmia

Synechia, Posterior

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Spleen

Hemosiderosis

Uterus

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Ovary | Congestion, Nos |
| Pituitary gland | Chromophobe Adenoma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

Adrenal gland
Bone marrow
Kidney
Liver
Lung
Preputial gland
Stomach

Pheochromocytoma
Hyperplasia, Hematopoietic
Pyelonephritis, Suppurative
Focal Cellular Change
Carcinoma, Nos, Metastatic
Carcinoma, Nos
Ulcer, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|---------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Spleen | Hemosiderosis |
| Thyroid | Hyperplasia, C Cell |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

Adrenal gland

Liver

Lung

Pituitary gland

Spleen

Pheochromocytoma

Focal Cellular Change

Pneumonia, Chronic Murine

Chromophobe Adenoma

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

Adrenal gland

Liver

Lung

Mammary gland

Spleen

Pheochromocytoma

Focal Cellular Change

Pneumonia, Chronic Murine

Fibroadenoma

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| | Galactocele |
| Pituitary gland | Chromophobe Adenoma |
| Spleen | Hemosiderosis |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

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

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Pituitary gland | Chromophobe Adenoma |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye
Lung
Mammary gland
Spleen

Retina

Atrophy, Nos
Pneumonia, Chronic Murine
Fibroadenoma
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Cornea

Inflammation, Nos

Cornea

Ulcer, Nos

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Pigmentation, Nos

Pituitary gland

Pneumonia, Chronic Murine

Hemosiderosis

Hyperplasia, Chromophobe Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Eye | Pus |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Pituitary gland | Cyst, Nos |
| Thyroid | C-Cell Adenoma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Lung

Spleen

Focal Cellular Change

Pigmentation, Nos

Pneumonia, Chronic Murine

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|---------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Thyroid | Hyperplasia, C Cell |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Pigmentation, Nos

Pituitary gland

Pneumonia, Chronic Murine

Spleen

Chromophobe Adenoma

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-------------|-----------|---------------------------|
| Liver | Bile Duct | Inflammation, Chronic |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Spleen | | Hyperplasia, Lymphoid |
| Unspecified | Axilla | Fibroma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|---------|-------|---------------------------|
| Bone | Skull | Fracture, Healed |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Spleen | | Hemosiderosis |
| Thyroid | | Hyperplasia, C Cell |
| Uterus | | Hydrometra |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Lung | Pigmentation, Nos |
| Mammary gland | Pneumonia, Chronic Murine |
| Pituitary gland | Fibroadenoma |
| Spleen | Chromophobe Adenoma |
| | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Spleen

Hemosiderosis

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Pancreas

Atrophy, Nos

Spleen

Hemosiderosis

Unspecified

Abdominal Cavity

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|--------|---------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Pancreas | Islets | Hyperplasia, Nos |
| Pituitary gland | | Chromophobe Adenoma |
| Spleen | | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

DOSE: 003.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | | |
|-----------------|-------------|---------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pneumonia, Chronic Murine |
| Pituitary gland | | Cyst, Nos |
| Spleen | | Hemosiderosis |
| Uterus | Endometrium | Cyst, Nos |
| | | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Pituitary gland

Cyst, Nos

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Liver

Lung

Leptomeninges

Pheochromocytoma

Hemorrhage

Hemorrhage

Focal Cellular Change

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

DOSE: 003.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|----------------------------|
| Liver | Focal Cellular Change |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| | Papillary Cystadenoma, Nos |
| Pituitary gland | Cyst, Hemorrhagic |
| Uterus | Endometrial Stromal Polyp |
| | Hydrometra |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Lung

Pigmentation, Nos

Spleen

Hemosiderosis

Unspecified

Back

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Liver

Lens, Cortex

Mineralization

Lung

Focal Cellular Change

Mammary gland

Pigmentation, Nos

Pneumonia, Chronic Murine

Spleen

Fibroadenoma

Galactocele

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Tunica Vasculosa

Inflammation, Nos

Kidney

Synechia, Anterior

Lung

Pigmentation, Nos

Pigmentation, Nos

Thyroid

Pneumonia, Chronic Murine

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy, Nos

Liver

Iris

Inflammation, Chronic

Lung

Focal Cellular Change

Pigmentation, Nos

Pituitary gland

Pneumonia, Chronic Murine

Preputial gland

Cyst, Multiple

Spleen

Carcinoma, Nos

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Liver
Lung

Mammary gland
Pituitary gland
Spleen

Periarteritis
Focal Cellular Change
Pigmentation, Nos
Pneumonia, Chronic Murine
Fibroadenoma
Chromophobe Adenoma
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Lung

Cortex Nos

Degeneration, Nos
Fibrosis, Diffuse
Pigmentation, Nos
Pneumonia, Chronic Murine

Pituitary gland
Salivary gland
Stomach

Chromophobe Adenoma
Atrophy, Nos

Unspecified

Multiple Organs Nos

Infarct, Focal
Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Hyperplasia, Hematopoietic

Liver

Centrilobular

Necrosis, Diffuse

Lung

Pneumonia, Chronic Murine

Mammary gland

Galactocele

Pituitary gland

Cyst, Nos

Preputial gland

Carcinoma, Nos

Spleen

Depletion, Lymphoid

Hematopoiesis

Lipoidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Liver
Lung

Cortex Nos

Degeneration, Nos
Focal Cellular Change
Pigmentation, Nos
Pneumonia, Chronic Murine

Pituitary gland
Spleen
Unspecified
Uterus

Groin

Cyst, Nos
Hemosiderosis
Fibroma
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hypertrophy, Focal

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Mammary gland

Pneumonia, Chronic Murine

Pituitary gland

Fibroadenoma

Galactocele

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|----------------|---------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Pituitary gland | | Chromophobe Adenoma |
| Spleen | | Hemosiderosis |
| Unspecified | Adipose Tissue | Necrosis, Focal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Medulla

Hyperplasia, Nos

Liver

Inflammation, Chronic

Lung

Pigmentation, Nos

Focal Cellular Change

Mammary gland

Pigmentation, Nos

Pituitary gland

Pneumonia, Chronic Murine

Unspecified

Galactocele

Chromophobe Adenoma

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Medulla

Hyperplasia, Focal

Lung

Focal Cellular Change

Preputial gland

Pigmentation, Nos

Skin

Tail

Pneumonia, Chronic Murine

Cyst, Epidermal Inclusion

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|---------------------|---------------------------|
| Brain | | Atrophy, Pressure |
| Liver | | Focal Cellular Change |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Pituitary gland | | Chromophobe Adenoma |
| Thyroid | | Hyperplasia, C Cell |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Mammary gland
Unspecified
Urinary bladder

Pelvis

Multiple Organs Nos

Hyperplasia, Epithelial
Fibroadenoma
Leukemia, Myelomonocytic
Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus

Liver

Lung

Ovary

Bile Duct

Pleura Nos

Hyperkeratosis

Retention Of Content

Atelectasis

Inflammation, Pyogranulomatous

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

DOSE: 003.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Pituitary gland | Chromophobe Adenoma |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver
Lung
Mammary gland
Thymus

Centrilobular

Necrosis, Nos
Congestion, Nos
Fibroadenoma
Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Mammary gland

Pneumonia, Chronic Murine

Fibroadenoma

Pituitary gland

Galactocele

Chromophobe Adenoma

Spleen

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Heart | Periarteritis |
| Liver | Focal Cellular Change |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Pituitary gland | Granuloma, Nos |
| Spleen | Hemosiderosis |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------|
| Brain | Atrophy, Pressure |
| Lung | Congestion, Nos |
| | Pigmentation, Nos |
| Pituitary gland | Chromophobe Adenoma |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Lung

Uterus

Focal Cellular Change

Pigmentation, Nos

Pneumonia, Chronic Murine

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Eye

Retina

Atrophy, Nos

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

DOSE: 003.0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|--------|---------------------------|
| Lung | Pneumonia, Chronic Murine |
| Spleen | Hemangiosarcoma |
| Uterus | Hydrometra |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

DOSE: 003.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Lung

Preputial gland

Spleen

Focal Cellular Change

Pigmentation, Nos

Pneumonia, Chronic Murine

Carcinoma, Nos

Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Pituitary gland

Unspecified

Multiple Organs Nos

Pneumonia, Chronic Murine

Chromophobe Adenoma

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

Pituitary gland

Galactocele

Unspecified

Multiple Organs Nos

Chromophobe Adenoma

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Pigmentation, Nos

Stomach

Forestomach

Pneumonia, Chronic Murine

Unspecified

Multiple Organs Nos

Ulcer, Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|---------------------|-------------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| | | Galactocele |
| Pituitary gland | | Hyperplasia, Chromophobe Cell |
| Thyroid | | Hyperplasia, C Cell |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|---------------|---------------------|---------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Thyroid | | Hyperplasia, C Cell |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |
| Uterus | | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Leptomeninges

Hemorrhage

Lung

Pigmentation, Nos

Ovary

Congestion, Nos

Pancreas

Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 003.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Lung

Cortex Nos

Degeneration, Nos
Pigmentation, Nos
Pneumonia, Chronic Murine

Mammary gland
Pancreas
Uterus

Islets

Fibroadenoma
Hyperplasia, Focal
Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Lens, Capsule

Degeneration, Nos

Retina

Degeneration, Nos

Cornea

Inflammation, Acute

Liver

Focal Cellular Change

Lung

Hepatocellular Carcinoma

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Unspecified

Bile Duct

Multiple Organs Nos

Inflammation, Chronic

Hyperplasia, Nos

Pigmentation, Nos

Pneumonia, Chronic Murine

Fibroadenoma

Chromophobe Adenoma

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Liver
Lung

Myocardium Nos

Fibrosis
Focal Cellular Change
Pigmentation, Nos
Pneumonia, Chronic Murine
Hemosiderosis
Granuloma, Foreign Body

Spleen
Unspecified

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|-------------|---------------------------|
| Liver | | Focal Cellular Change |
| | Bile Duct | Hyperplasia, Nos |
| | | Neoplastic Nodule |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Pituitary gland | | Chromophobe Adenoma |
| Spleen | | Hemosiderosis |
| Uterus | Endometrium | Cyst, Nos |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|----------------|---------------------------|
| Liver | | Focal Cellular Change |
| | | Neoplastic Nodule |
| | | Peliosis Hepatis |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Pituitary gland | | Chromophobe Adenoma |
| Spleen | | Hemosiderosis |
| Unspecified | Adipose Tissue | Necrosis, Fat |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change

Lung

Hepatocellular Carcinoma

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Liver | Hepatocellular Carcinoma |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Pancreas | Atrophy, Diffuse |
| | Inflammation, Chronic |
| Pituitary gland | Angiectasis |
| | Cyst, Nos |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Lung

Pituitary gland

Spleen

Pheochromocytoma

Calculus, Unknown Gross Or Micro

Inflammation, Chronic

Focal Cellular Change

Inflammation, Chronic

Peliosis Hepatis

Pigmentation, Nos

Pneumonia, Chronic Murine

Hyperplasia, Chromophobe Cell

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Neoplastic Nodule

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Unspecified

Adipose Tissue

Necrosis, Fat

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus

Inflammation, Suppurative

Intestine Large

Large Intestine, Colon

Rupture

Lung

Nematodiasis

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change

Neoplastic Nodule

Bile Duct

Retention Of Content

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change
Hematopoiesis
Hepatocellular Carcinoma
Metamorphosis, Fatty
Neoplastic Nodule

Lung

Peliosis Hepatis
Pigmentation, Nos
Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

Preputial gland

Cystadenoma, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Bile Duct

Bile Duct

Hepatocellular Carcinoma

Hyperplasia, Nos

Inflammation, Chronic

Neoplastic Nodule

Peliosis Hepatis

Pigmentation, Nos

Lung

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Focal Cellular Change

Neoplastic Nodule

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Preputial gland

Inflammation, Chronic Suppurative

Unspecified

Adipose Tissue

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change

Neoplastic Nodule

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Pituitary gland

Inflammation, Chronic

Focal Cellular Change

Hepatocellular Carcinoma

Neoplastic Nodule

Pneumonia, Chronic Murine

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Pheochromocytoma

Focal Cellular Change

Lung

Hepatocellular Carcinoma

Neoplastic Nodule

Inflammation, Granulomatous Focal

Preputial gland

Pigmentation, Nos

Pneumonia, Chronic Murine

Spleen

Degeneration, Cystic

Uterus

Hemorrhage

Carcinoma In Situ, Nos

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

DOSE: 015.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change
Hepatocellular Carcinoma
Metamorphosis, Fatty

Lung

Neoplastic Nodule
Pigmentation, Nos
Pneumonia, Chronic Murine

Pituitary gland

Angiectasis
Hyperplasia, Chromophobe Cell

Uterus

Hematometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Cortex Nos

Hyperplasia, Nodular

Lung

Angiectasis

Hepatocellular Carcinoma

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Pneumonia, Chronic Murine

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Lung

Pheochromocytoma

Hepatocellular Carcinoma

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|---------------|-----------|--------------------------|
| Liver | | Hepatocellular Carcinoma |
| | | Peliosis Hepatis |
| | Bile Duct | Retention Of Content |
| Lung | | Pigmentation, Nos |
| Mammary gland | | Fibroadenoma |
| | | Fibrosarcoma |
| Stomach | | Ulcer, Focal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Neoplastic Nodule

Peliosis Hepatis

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Pancreas

Atrophy, Focal

Unspecified

Adipose Tissue

Steatitis

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change
Hepatocellular Carcinoma
Neoplastic Nodule

Lung

Pigmentation, Nos
Pneumonia, Chronic Murine

Spleen

Hematopoiesis

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Lung

Focal Cellular Change

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Tubule

Pigmentation, Nos

Liver

Degeneration, Nos

Mammary gland

Fibroadenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Liver

Cortex Nos

Degeneration, Nos
Focal Cellular Change
Neoplastic Nodule
Peliosis Hepatis
Pneumonia, Chronic Murine
Fibroadenoma
Angiectasis
Endometrial Stromal Polyp

Lung
Mammary gland
Pituitary gland
Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Lung

Preputial gland

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Pheochromocytoma

Hepatocellular Carcinoma

Peliosis Hepatis

Thrombosis, Nos

Pigmentation, Nos

Pneumonia, Chronic Murine

Carcinoma, Nos

Leukemia, Myelomonocytic

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|-------------|---------------------|--------------------------|
| Lung | | Pigmentation, Nos |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Large
Liver

Cortex Nos
Large Intestine, Colon

Degeneration, Nos
Parasitism
Focal Cellular Change
Hepatocellular Carcinoma
Neoplastic Nodule
Pigmentation, Nos
Pneumonia, Chronic Murine
Fibroadenoma
Cyst, Multiple
Adenocarcinoma, Nos

Lung

Mammary gland
Pituitary gland
Uterus

Endometrium

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Spleen

Hemosiderosis

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

DOSE: 015.0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|--------|----------------------------------|
| Kidney | Calculus, Unknown Gross Or Micro |
| Liver | Hepatocellular Carcinoma |
| | Neoplastic Nodule |
| Lung | Pigmentation, Nos |
| | Thymoma, Metastatic |
| Thymus | Thymoma, Malignant |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|------|------------------------------|
| Liver | | Focal Cellular Change |
| | | Neoplastic Nodule |
| Lung | | Alveolar/Bronchiolar Adenoma |
| | | Pneumonia, Chronic Murine |
| Preputial gland | | Cyst, Epidermal Inclusion |
| Skin | Tail | Keratoacanthoma |
| Uterus | | Hydrometra |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|-------------|---------------------|--------------------------|
| Lung | | Pigmentation, Nos |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow

Hyperplasia, Hematopoietic

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Necrosis, Focal

Lung

Pigmentation, Nos

Pancreas

Duct Nos

Adenocarcinoma, Nos

Spleen

Hemorrhage

Hemosiderosis

Leukemoid Reaction

Stomach

Ulcer, Focal

Unspecified

Multiple Organs Nos

Adenocarcinoma, Nos, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Unspecified

Axilla

Pigmentation, Nos

Neoplastic Nodule

Pigmentation, Nos

Pneumonia, Chronic Murine

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|--------|---------------------------|
| Liver | Focal Cellular Change |
| | Neoplastic Nodule |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|----------|---------------------------|
| Liver | Hepatocellular Carcinoma |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Pancreas | Atrophy, Nos |
| Spleen | Hemosiderosis |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Lung

Pigmentation, Nos

Spleen

Pneumonia, Chronic Murine

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | |
|-----------------|----------------------------------|
| Kidney | Calculus, Unknown Gross Or Micro |
| Liver | Focal Cellular Change |
| | Hepatocellular Carcinoma |
| | Neoplastic Nodule |
| Lung | Pigmentation, Nos |
| | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Pituitary gland | Chromophobe Adenoma |
| Spleen | Hemosiderosis |
| Uterus | Cyst, Nos |
| | Fallopian Tube |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Lung

Spleen

Cortical Adenoma

Focal Cellular Change

Neoplastic Nodule

Pigmentation, Nos

Pneumonia, Chronic Murine

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Salivary gland

Spleen

Unspecified

Uterus

Neck

Pyelonephritis, Suppurative

Focal Cellular Change

Congestion, Nos

Pigmentation, Nos

Pneumonia, Chronic Murine

Fibrosarcoma

Hemosiderosis

Fibrosarcoma, Invasive

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone

Sphenoid And Ethmoid Bones

Chondroma

Lung

Congestion, Nos

Pigmentation, Nos

Spleen

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Lung

Pigmentation, Nos

Pneumonia, Chronic Murine

Pancreas

Atrophy, Focal

Thyroid

Hyperplasia, C Cell

Uterus

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

DOSE: 015.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Pituitary gland

Thyroid

Inflammation, Chronic

Focal Cellular Change

Neoplastic Nodule

Pigmentation, Nos

Pneumonia, Chronic Murine

Chromophobe Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Focal Cellular Change

Lung

Neoplastic Nodule

Pigmentation, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

DOSE: 015.0 MG/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Lung

Peliosis Hepatis

Pituitary gland

Pigmentation, Nos

Uterus

Pneumonia, Chronic Murine

Chromophobe Adenoma

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|----------------|--|
| Eye | Retina | Atrophy, Nos Synechia, Posterior |
| Heart | Myocardium Nos | Fibrosis |
| Liver | | Focal Cellular Change Neoplastic Nodule |
| Lung | | Pigmentation, Nos Pneumonia, Chronic Murine |
| Pituitary gland | | Chromophobe Adenoma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|---------------|-------|---------------------------|
| Liver | | Focal Cellular Change |
| | | Neoplastic Nodule |
| Lung | | Pigmentation, Nos |
| | | Pneumonia, Chronic Murine |
| Mammary gland | | Fibroadenoma |
| Spleen | | Hematopoiesis |
| Unspecified | Groin | Fibroma |
| Uterus | | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 015.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel

Aorta Nos

Calcification, Medial

Heart

Myocardium Nos

Calcification, Focal

Kidney

Tubule

Mineralization

Liver

Focal Cellular Change

Lung

Pigmentation, Nos

Mammary gland

Adenocarcinoma, Nos

Pituitary gland

Chromophobe Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_001

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|--------|---------------------------|
| Heart | Periarteritis |
| Liver | Focal Cellular Change |
| Spleen | Hemosiderosis |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_002

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|---------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_003

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Pituitary gland

Pneumonia, Chronic Murine

Spleen

Cyst, Multiple

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_004

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_005

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Mammary gland

Focal Cellular Change

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_006

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Lung

Spleen

Pheochromocytoma

Focal Cellular Change

Pneumonia, Chronic Murine

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_007

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|---------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_008

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow

Liver

Mammary gland

Pituitary gland

Spleen

Unspecified

Periportal

Adipose Tissue

Hyperplasia, Hematopoietic

Focal Cellular Change

Metamorphosis, Fatty

Fibroadenoma

Chromophobe Adenoma

Hematopoiesis

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_009

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|--------|---------------|-----------------------------|
| Liver | Centrilobular | Necrosis, Nos |
| Lung | | Congestion, Nos |
| Thymus | | Cyst, Nos |
| Uterus | | Endometrial Stromal Sarcoma |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_010

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

Pituitary gland

Galactocele

Spleen

Chromophobe Adenoma

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_011

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Focal Cellular Change

Pituitary gland

Chromophobe Adenoma

Thyroid

Cyst, Nos

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_012

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Cyst, Multiple

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_013

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|-----------------------|
| Liver | Focal Cellular Change |
| Pancreas | Atrophy, Focal |
| Pituitary gland | Cyst, Nos |
| Preputial gland | Carcinoma, Nos |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_014

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Focal Cellular Change

Lymph node

Submandibular Lymph Node

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_015

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Galactocele

Pituitary gland

Chromophobe Adenoma

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_016

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Unspecified

Pigmentation, Nos

Necrosis, Focal

Fibroadenoma

Galactocele

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_017

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Focal Cellular Change

Lung

Pneumonia, Chronic Murine

Pituitary gland

Hyperplasia, Chromophobe Cell

Spleen

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_018

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Uterus

Focal Cellular Change

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_019

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|-----------------------|
| Liver | Focal Cellular Change |
| Pituitary gland | Chromophobe Adenoma |
| | Cyst, Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_020

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Medulla

Hyperplasia, Focal

Mammary gland

Fibroadenoma

Pituitary gland

Cyst, Multiple

Unspecified

Adipose Tissue

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_021

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Focal Cellular Change

Lung

Alveolar/Bronchiolar Carcinoma

Pneumonia, Chronic Murine

Pituitary gland

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_022

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Focal Cellular Change

Bile Duct

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_023

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Ovary

Focal Cellular Change

Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_024

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Lung

Mammary gland

Uterus

Focal Cellular Change

Pneumonia, Chronic Murine

Fibroadenoma

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_025

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Heart

Myocardium Nos

Fibrosis

Liver

Centrilobular

Degeneration, Nos

Stomach

Forestomach

Fibrosis

Forestomach

Hyperkeratosis

Forestomach

Parakeratosis

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_026

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|-----------|-----------------------|
| Liver | | Focal Cellular Change |
| | Bile Duct | Hyperplasia, Focal |
| Pituitary gland | | Chromophobe Adenoma |
| Spleen | | Hematopoiesis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_027

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|---------------|---------------------|----------------------|
| Liver | | Metamorphosis, Fatty |
| Mammary gland | | Galactocele |
| Unspecified | Multiple Organs Nos | Leukemia, Monocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_028

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Pituitary gland

Skin

Back

Cyst, Hemorrhagic

Focal Cellular Change

Cyst, Nos

Basal-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_029

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Chromophobe Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_030

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|---------------------|-------------------------------|
| Heart | Myocardium Nos | Fibrosis |
| Kidney | Cortex | Cyst, Nos |
| Liver | | Focal Cellular Change |
| Pituitary gland | | Hyperplasia, Chromophobe Cell |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |
| Uterus | | Hematometra |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_031

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| | Galactocele |
| Pituitary gland | Chromophobe Adenoma |
| Spleen | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_032

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

Uterus

Endometrium

Cyst, Multiple

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_033

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|--------|----------------|---------------------------|
| Heart | Myocardium Nos | Fibrosis |
| Kidney | | Inflammation, Chronic |
| Liver | | Focal Cellular Change |
| Spleen | | Hemosiderosis |
| Uterus | | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_034

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Inflammation, Chronic

Larynx

Inflammation, Suppurative

Lung

Congestion, Nos

Mammary gland

Galactocele

Pituitary gland

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_035

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Galactocele

Pituitary gland

Chromophobe Adenoma

Spleen

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_036

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Liver

Focal Cellular Change

Spleen

Hemosiderosis

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_037

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Lung

Cortex Nos

Degeneration, Nos
Congestion, Nos
Edema, Nos

Pleura Nos

Inflammation, Acute Focal
Inflammation, Suppurative

Lymph node
Pituitary gland
Spleen

Submandibular Lymph Node

Inflammation, Acute
Cyst, Multiple
Hematopoiesis

Stomach

Forestomach

Hemosiderosis
Inflammation, Nos

Forestomach

Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_038

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|---------------------|--------------------------|
| Heart | Myocardium Nos | Fibrosis |
| | Myocardium Nos | Inflammation, Chronic |
| Liver | | Focal Cellular Change |
| Pituitary gland | | Chromophobe Adenoma |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_039

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Degeneration, Nos

Medulla

Hyperplasia, Nos

Liver

Focal Cellular Change

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Mammary gland

Fibroadenoma

Galactocele

Pituitary gland

Chromophobe Adenoma

Preputial gland

Carcinoma, Nos

Spleen

Hematopoiesis

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_040

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Degeneration, Nos

Pituitary gland

Fibrosis, Cholangio

Unspecified

Multiple Organs Nos

Cyst, Nos

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_041

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

| | | |
|-----------------|--------------------------|--------------------------|
| Kidney | | Pigmentation, Nos |
| Liver | Centrilobular | Degeneration, Nos |
| Lymph node | Submandibular Lymph Node | Inflammation, Chronic |
| Pituitary gland | | Hemorrhage |
| Stomach | | Ulcer, Focal |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_042

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | | |
|-----------------|---------------------|--------------------------|
| Brain | | Hemorrhage |
| Liver | | Focal Cellular Change |
| Mammary gland | | Fibroadenoma |
| | | Galactocele |
| Pituitary gland | | Hemorrhage |
| Unspecified | Multiple Organs Nos | Leukemia, Myelomonocytic |
| | Abdominal Cavity | Necrosis, Fat |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_043

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|------------------|---------------------------|
| Liver | | Focal Cellular Change |
| Lung | | Pneumonia, Chronic Murine |
| Pituitary gland | | Cyst, Nos |
| Thyroid | | C-Cell Adenoma |
| Unspecified | Abdominal Cavity | Steatitis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_044

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|---------------------------|
| Liver | Focal Cellular Change |
| Lung | Pneumonia, Chronic Murine |
| Mammary gland | Fibroadenoma |
| Pituitary gland | Cyst, Nos |
| Thyroid | C-Cell Adenoma |
| Uterus | Endometrial Stromal Polyp |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_045

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lymph node

Submandibular Lymph Node

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Hyperplasia, Chromophobe Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_046

TRT#: 4

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

| | |
|-----------------|-----------------------------------|
| Lung | Congestion, Nos |
| | Edema, Nos |
| Mammary gland | Fibroadenoma |
| Pituitary gland | Chromophobe Adenoma |
| Spleen | Hemosiderosis |
| Trachea | Inflammation, Chronic Suppurative |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_047

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Iris

Inflammation, Chronic

Lens, Capsule

Mineralization

Liver

Focal Cellular Change

Lymph node

Submandibular Lymph Node

Inflammation, Chronic

Mammary gland

Fibroadenoma

Spleen

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_048

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|-----------|-----------------------|
| Liver | | Focal Cellular Change |
| | Bile Duct | Inflammation, Chronic |
| Pituitary gland | | Hemorrhage |
| Spleen | | Hemosiderosis |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_049

TRT#: 4

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Lung

Mammary gland

Pituitary gland

Preputial gland

Focal Cellular Change

Pneumonia, Chronic Murine

Fibroadenoma

Cyst, Nos

Hemorrhage

Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50033A

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:49:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_050

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

| | | |
|-----------------|-----------|-----------------------|
| Liver | | Focal Cellular Change |
| | Bile Duct | Hyperplasia, Nos |
| Pancreas | Islets | Hyperplasia, Focal |
| Pituitary gland | | Cyst, Nos |
| Spleen | | Hemosiderosis |
| Uterus | | Hydrometra |

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****