

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

**C Number:** C01445A

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_051

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Mammary gland

Cyst, Nos

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_052

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_053

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Liver

Pituitary gland

Thyroid

Urinary bladder

Cyst, Hemorrhagic

Cytoplasmic Change, Basophilic

Chromophobe Adenoma

Hyperplasia, C Cell

Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_054

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_055

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_056

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_057

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Uterus

Inflammation, Chronic  
Chromophobe Adenoma  
Endometrial Stromal Polyp  
Hyperplasia, Nos

Endometrium

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_058

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Uterus	Endometrium	Inflammation, Vesicular

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_059

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Hyperplasia, Tubular Cell Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Lung		Necrosis, Focal
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_060

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Neoplastic Nodule

Thyroid

Hyperplasia, C Cell

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_061

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Lymph node

Mesenteric Lymph Node

Edema, Nos

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_062

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Hyperplasia, Basophilic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_063

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Hydrocephalus, Internal
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pituitary gland	Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_065

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_066

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_067

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pituitary gland

Unspecified

Pelvis Nos

Pelvis Nos

Inflammation, Chronic

Cyst, Hemorrhagic

Hemorrhage

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_068

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_069

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pancreas

Fibrosis

Pituitary gland

Cyst, Hemorrhagic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_070

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_071

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_072

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Liver  
Pituitary gland

Inflammation, Chronic  
Cytoplasmic Change, Basophilic  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_073

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Adenocarcinoma, Nos

Pancreas

Acinus

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_074

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Pituitary gland

Unspecified

Multiple Organs Nos

Lipoidosis

Inflammation, Chronic

Nephropathy, Toxic

Chromophobe Adenoma

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_075

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Metamorphosis, Fatty
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_076

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_077

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_078

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Brain

Cerebrum

Hemorrhage

Meninges

Hemorrhage

Kidney

Nephropathy, Toxic

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_079

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Focal
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_080

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Hydrocephalus, Nos
Kidney	Inflammation, Chronic
Lung	Alveolar/Bronchiolar Adenoma
Pituitary gland	Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_081

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Esophagus

Kidney

Liver

Squamous Cell Carcinoma

Inflammation, Nos

Cytoplasmic Change, Basophilic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_082

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_083

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenocarcinoma, Nos

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_084

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Urinary bladder

Inflammation, Chronic  
Chromophobe Adenoma  
Hyperplasia, Epithelial  
Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_085

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland

Inflammation, Chronic  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_086

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Kidney

Hemorrhage

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_087

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Hypothalamus Nos	Atrophy, Nos
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Squamous Cell Carcinoma
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Lymphoid
Thyroid		C-Cell Carcinoma
Unspecified	Adipose Tissue	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_089

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Lung

Urinary bladder

Cyst, Hemorrhagic

Alveolar/Bronchiolar Carcinoma

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_090

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Kidney

Hemorrhage

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_091

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Hydrocephalus, Internal
Kidney		Inflammation, Chronic
	Pelvis	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_092

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Lymph node

Hyperplasia, Reticulum Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_093

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Chromophobe Adenoma

Thyroid

Cyst, Nos

Urinary bladder

C-Cell Adenoma

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_094

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Brain

Hemorrhage

Lung

Hemorrhage

Lymph node

Cervical Lymph Node Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_096

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Inflammation, Chronic

Hyperkeratosis

Parakeratosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_097

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Ovary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_098

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Spleen

Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_099

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Mammary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos
Urinary bladder		Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 1\_100

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_151

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_152

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_153

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Hydro

Urinary bladder

Pyelonephritis, Nos

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_154

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Vacuolization

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_155

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Fibrosis, Diffuse

Uterus

Endometrium

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_156

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Thyroid

Myocardium Nos

Adenocarcinoma, Nos

Fibrosis

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_157

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_158

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Fibrosis, Diffuse

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_159

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:37

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

**Lab:** NA

---

**ANIMAL ID:** 2\_160

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Pituitary gland

Spleen

Cystadenoma, Nos

Chromophobe Adenoma

Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_161

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Lung		Hyperplasia, Alveolar Epithelium
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_162

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Brain  
Intestine Large  
Liver  
Thyroid

Cortex Nos  
Meninges  
Colon

Cyst, Hemorrhagic  
Inflammation, Nos  
Adenomatous Polyp, Nos  
Cytoplasmic Change, Basophilic  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_163

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Clitoral gland

Lymph node

Cyst, Hemorrhagic

Adenocarcinoma, Nos

Hyperplasia, Reticulum Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_164

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Cyst, Nos

Intestine Small

Ileum

Hyperplasia, Lymphoid

Pituitary gland

Chromophobe Adenoma

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_165

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Midbrain Nos	Atrophy, Nos
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_166

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Chromophobe Adenoma

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_167

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Pituitary gland

Myocardium Nos

Degeneration, Nos  
Inflammation, Chronic  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_168

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland

Inflammation, Chronic  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_169

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_170

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Urinary bladder

Fibroma

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_171

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Thyroid

Uterus

Inflammation, Chronic

C-Cell Adenoma

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_172

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Liver		Cytoplasmic Change, Basophilic Hematopoiesis
Lung		Alveolar/Bronchiolar Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_173

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Urinary bladder

Inflammation, Chronic  
Chromophobe Adenoma  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_174

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Cytoplasmic Vacuolization
Mammary gland	Adenoma, Nos
Uterus	Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_175

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Mammary gland

Pituitary gland

Thyroid

Lipoidosis

Fibroadenoma

Chromophobe Adenoma

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_176

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_177

**TRT#:** 2

**DOSE:** 7500 PPM

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung

Mammary gland

Pituitary gland

Alveolar/Bronchiolar Adenoma

Fibroadenoma

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_178

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Cyst, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_179

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Lung

Alveolar/Bronchiolar Carcinoma

Pancreas

Fibrosis, Focal

Pituitary gland

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_180

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Basophil Adenoma

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_181

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland

Inflammation, Chronic  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_182

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Mammary gland

Fibroadenoma

Pituitary gland

Chromophobe Adenoma

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_183

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pituitary gland

Unspecified

Multiple Organs Nos

Inflammation, Chronic

Chromophobe Adenoma

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_184

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Unspecified	Lipoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_185

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_186

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Liver

Neoplastic Nodule

Lymph node

Submandibular Lymph Node

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_187

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Unspecified

Inflammation, Chronic

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_188

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cyst, Hemorrhagic

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_189

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Cholemic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_190

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymph node

Ovary

Mesenteric Lymph Node

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_191

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Spleen  
Urinary bladder

Pelvis

Necrosis, Nos  
Hyperplasia, Lymphoid  
Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_192

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Cytoplasmic Change, Basophilic

Lung

Alveolar/Bronchiolar Carcinoma

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_193

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Parathyroid gland

Thyroid

Myocardium Nos

Cyst, Nos

Fibrosis

Inflammation, Chronic

Cyst, Hemorrhagic

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_194

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Pancreas		Fibrosis, Diffuse
Uterus		Hematometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_195

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lymph node  
Thyroid

Submandibular Lymph Node

Hyperplasia, Lymphoid  
C-Cell Adenoma  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_196

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_198

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland

Inflammation, Chronic  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_199

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Hypothalamus Nos	Atrophy, Nos
Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 2\_200

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_221

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Choroid Plexus Nos

Corpora Amylacea

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_222

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Pituitary gland

Metamorphosis, Fatty

Uterus

Chromophobe Adenoma

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_223

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Thyroid

Inflammation, Chronic

Metamorphosis, Fatty

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_224

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Uterus

Chromophobe Adenoma

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_225

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_226

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Intestine Small

Lung

Thyroid

Uterus

Ileum

Adenocarcinoma, Nos

Hyperplasia, Lymphoid

Alveolar/Bronchiolar Adenoma

C-Cell Adenoma

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_227

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Unspecified

Uterus

Adipose Tissue

Endometrium

Fibroadenoma

Necrosis, Fat

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_228

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_229

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_230

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Cytoplasmic Change, Basophilic
Lung		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_231

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Liver		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Spleen		Infarct, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Adipose Tissue	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_232

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Spleen

Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_233

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_234

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_235

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_236

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Lung		Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_237

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 3\_238

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pheochromocytoma

Inflammation, Chronic

Cytoplasmic Change, Basophilic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 4\_070

**TRT#:** 4  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 4\_078

**TRT#:** 4  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 4\_080

**TRT#:** 4

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 4\_088

**TRT#:** 4  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_154

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Intestine Large  
Thyroid

Intestinal Tract

Hyperplasia, Lymphoid  
Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_158

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Lung

Atelectasis

Thyroid

Hemorrhage

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitritotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_172

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_176

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Lung  
Thyroid

Inflammation, Acute Focal  
Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_178

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_184

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Lung  
Thyroid

Bronchopneumonia, Acute  
Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_186

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

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**OBSERVATIONS**

Kidney  
Thyroid

Calcinosis, Nos  
Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01445A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Nitrotriacetic acid trisodium monohydrate  
**CAS Number:** 18662-53-8

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

**Time Report Requested:** 10:25:38

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

**Lab:** NA

---

**ANIMAL ID:** 5\_200

**TRT#:** 5  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE