

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**C Number:** C53929

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |               |                                |
|-----------------|---------------|--------------------------------|
| Heart           |               | Degeneration, Nos              |
|                 | Cardiac Valve | Fibrosis, Multifocal           |
| Kidney          |               | Nephropathy                    |
| Liver           |               | Cytoplasmic Change, Basophilic |
|                 | Bile Duct     | Hyperplasia, Focal             |
|                 |               | Neoplastic Nodule              |
| Lung            |               | Hyperplasia, Lymphoid          |
| Pancreas        | Acinus        | Atrophy, Focal                 |
| Pituitary gland |               | Hyperplasia, Chromophobe Cell  |
| Testis          |               | Interstitial-Cell Tumor        |
| Thyroid         |               | Hyperplasia, C Cell            |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |           |                          |
|----------|-----------|--------------------------|
| Heart    |           | Degeneration, Nos        |
| Kidney   | Cortex    | Cyst, Nos<br>Nephropathy |
| Liver    | Bile Duct | Hyperplasia, Focal       |
| Pancreas | Acinus    | Atrophy, Focal           |
| Stomach  | Submucosa | Cyst, Nos                |
| Testis   |           | Interstitial-Cell Tumor  |
| Thyroid  |           | Hyperplasia, C Cell      |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart

Degeneration, Nos

Lung

Perivascular Cuffing

Testis

Degeneration, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |                 |                         |
|----------|-----------------|-------------------------|
| Heart    |                 | Degeneration, Nos       |
|          | Cardiac Valve   | Fibrosis, Multifocal    |
| Kidney   |                 | Nephropathy             |
| Liver    |                 | Clear-Cell Change       |
|          | Bile Duct       | Hyperplasia, Focal      |
| Lung     |                 | Hyperplasia, Lymphoid   |
| Pancreas | Acinus          | Atrophy, Focal          |
| Stomach  | Cardiac Stomach | Squamous Cell Papilloma |
| Testis   |                 | Interstitial-Cell Tumor |
| Thyroid  |                 | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C53929

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: C.I. Solvent yellow 14

CAS Number: 842-07-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:32:40

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 500 PPM

DISP: Natural Death

HISTO:

**OBSERVATIONS**

|               |                 |                             |
|---------------|-----------------|-----------------------------|
| Adrenal gland | Cortex Nos      | Cyst, Hemorrhagic           |
|               | Cortex Nos      | Metamorphosis, Fatty        |
| Heart         |                 | Degeneration, Nos           |
|               |                 | Mineralization              |
|               | Left Atrium Nos | Thrombus, Mural             |
| Kidney        |                 | Nephropathy                 |
| Liver         | Bile Duct       | Hyperplasia, Focal          |
|               |                 | Neoplastic Nodule           |
| Lung          |                 | Congestion, Nos             |
|               |                 | Hemorrhage                  |
|               | Bronchus        | Hyperplasia, Epithelial     |
|               | Bronchus        | Inflammation, Acute/Chronic |
| Pancreas      |                 | Periarteritis               |
| Spleen        |                 | Depletion, Lymphoid         |
|               | Red Pulp        | Hematopoiesis               |
| Stomach       | Fundus          | Embryonal Rest              |
|               | Serosa          | Mineralization              |
|               | Cardiac Stomach | Squamous Cell Papilloma     |
| Testis        |                 | Interstitial-Cell Tumor     |
| Unspecified   |                 | Basal-Cell Tumor            |

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|               |                       |                                   |
|---------------|-----------------------|-----------------------------------|
| Adrenal gland | Cortex Nos            | Hyperplasia, Nodular              |
| Brain         | Cerebrum              | Mineralization                    |
| Heart         |                       | Degeneration, Nos                 |
| Kidney        |                       | Nephropathy                       |
| Liver         |                       | Clear-Cell Change                 |
|               | Bile Duct             | Hyperplasia, Focal                |
|               |                       | Neoplastic Nodule                 |
| Lymph node    | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas      | Acinus                | Atrophy, Focal                    |
| Testis        |                       | Interstitial-Cell Tumor           |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|               |            |                                  |
|---------------|------------|----------------------------------|
| Brain         | Meninges   | Granular-Cell Tumor, Nos         |
| Heart         |            | Degeneration, Nos                |
| Kidney        |            | Nephropathy                      |
| Liver         |            | Cytoplasmic Change, Basophilic   |
|               | Bile Duct  | Hyperplasia, Focal               |
|               |            | Neoplastic Nodule                |
| Lung          |            | Hyperplasia, Alveolar Epithelium |
|               | Bronchiole | Hyperplasia, Nos                 |
| Mammary gland |            | Fibroadenoma                     |
| Testis        |            | Atrophy, Nos                     |
|               |            | Interstitial-Cell Tumor          |
| Thyroid       |            | Hyperplasia, C Cell              |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Bile Duct

Lung

Testis

Thyroid

Pheochromocytoma

Degeneration, Nos

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Neoplastic Nodule

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |               |                                   |
|-----------------|---------------|-----------------------------------|
| Adrenal gland   | Medulla       | Hyperplasia, Nos                  |
| Heart           |               | Degeneration, Nos                 |
| Intestine Small | Mesentery Nos | Inflammation, Granulomatous Focal |
| Kidney          |               | Nephropathy                       |
| Liver           | Bile Duct     | Hyperplasia, Focal                |
|                 |               | Neoplastic Nodule                 |
| Lung            | Bronchus      | Hyperplasia, Lymphoid             |
| Pancreas        |               | Periarteritis                     |
| Testis          |               | Interstitial-Cell Tumor           |
| Thyroid         |               | Cyst, Follicular Nos              |
|                 |               | Hyperplasia, C Cell               |
|                 |               | Hyperplasia, Follicular Cell      |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |           |   |
|----------|-----------|---|
| Heart    |           | Degeneration, Nos                       |
| Kidney   |           | Nephropathy                             |
| Liver    | Bile Duct | Hyperplasia, Focal<br>Neoplastic Nodule |
| Pancreas | Acinus    | Atrophy, Focal                          |
| Testis   |           | Interstitial-Cell Tumor                 |
| Thyroid  |           | Hyperplasia, C Cell                     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Lymph node

Spleen

Testis

Cervical Lymph Node Nos

Cervical Lymph Node Nos

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Neoplastic Nodule

Depletion, Lymphoid

Inflammation, Granulomatous

Pigmentation, Nos

Hemangiosarcoma

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                       |  |
|-----------------|-----------------------|--|
| Heart           |                       | Degeneration, Nos  |
| Intestine Large | Colon                 | Adenomatous Polyp, Nos   |
| Kidney          |                       | Nephropathy  |
| Liver           | Bile Duct             | Cytoplasmic Change, Basophilic<br>Hyperplasia, Focal<br>Inflammation, Granulomatous Focal<br>Neoplastic Nodule |
| Lung            |                       | Hyperplasia, Lymphoid  |
| Lymph node      | Mesenteric Lymph Node | Inflammation, Granulomatous Focal  |
| Pancreas        | Acinus                | Atrophy, Focal   |
| Testis          |                       | Interstitial-Cell Tumor  |
| Thyroid         |                       | Hyperplasia, C Cell  |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephropathy

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|                 |                       |                                      |
|-----------------|-----------------------|--------------------------------------|
| Heart           |                       | Degeneration, Nos                    |
| Intestine Small | Mesentery Nos         | Inflammation, Granulomatous Focal    |
| Kidney          |                       | Nephropathy                          |
| Liver           |                       | Hepatocellular Carcinoma             |
|                 | Bile Duct             | Hyperplasia, Focal                   |
|                 |                       | Neoplastic Nodule                    |
| Lung            |                       | Inflammation, Interstitial           |
| Lymph node      | Mesenteric Lymph Node | Lymphoma, Histiocytic-Malignant Type |
| Spleen          |                       | Depletion, Lymphoid                  |
|                 |                       | Fibrosis, Diffuse                    |
| Testis          |                       | Interstitial-Cell Tumor              |
| Thyroid         |                       | Cyst, Follicular Nos                 |
|                 |                       | Hyperplasia, Follicular Cell         |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|               |                       |                                |
|---------------|-----------------------|--------------------------------|
| Adrenal gland | Cortex Nos            | Hyperplasia, Nodular           |
| Heart         |                       | Degeneration, Nos              |
| Kidney        |                       | Nephropathy                    |
| Liver         |                       | Cytoplasmic Change, Basophilic |
|               | Bile Duct             | Hyperplasia, Focal             |
|               |                       | Neoplastic Nodule              |
| Lymph node    | Mandibular Lymph Node | Inflammation, Granulomatous    |
|               | Mesenteric Lymph Node | Inflammation, Granulomatous    |
| Pancreas      | Acinus                | Atrophy, Focal                 |
| Prostate      |                       | Inflammation, Multifocal       |
| Spleen        |                       | Fibrosis, Multifocal           |
| Testis        |                       | Interstitial-Cell Tumor        |
| Thyroid       |                       | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |           |                                   |
|---------|-----------|-----------------------------------|
| Heart   |           | Degeneration, Nos                 |
| Kidney  |           | Nephropathy                       |
| Liver   |           | Clear-Cell Change                 |
|         | Bile Duct | Hyperplasia, Focal                |
|         |           | Inflammation, Granulomatous Focal |
| Lung    |           | Hyperplasia, Lymphoid             |
| Testis  |           | Atrophy, Nos                      |
|         |           | Hyperplasia, Interstitial Cell    |
|         |           | Interstitial-Cell Tumor           |
| Thyroid |           | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                |                                   |
|-----------------|----------------|-----------------------------------|
| Heart           |                | Degeneration, Nos                 |
| Kidney          |                | Nephropathy                       |
| Liver           |                | Clear-Cell Change                 |
|                 | Bile Duct      | Hyperplasia, Focal                |
|                 |                | Inflammation, Granulomatous Focal |
| Lung            |                | Hyperplasia, Lymphoid             |
| Mammary gland   |                | Cyst, Nos                         |
|                 |                | Dilatation, Ducts                 |
|                 | Mammary Acinus | Dilatation, Nos                   |
| Pituitary gland |                | Chromophobe Adenoma               |
| Prostate        |                | Inflammation, Multifocal          |
| Stomach         |                | Inflammation, Chronic             |
| Thyroid         |                | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                       |                                |
|-----------------|-----------------------|--------------------------------|
| Heart           |                       | Degeneration, Nos              |
| Kidney          |                       | Nephropathy                    |
| Liver           |                       | Cytoplasmic Change, Basophilic |
|                 | Bile Duct             | Hyperplasia, Focal             |
|                 |                       | Neoplastic Nodule              |
| Lung            |                       | Hyperplasia, Lymphoid          |
| Lymph node      | Mandibular Lymph Node | Plasmacytosis                  |
| Pancreas        | Acinus                | Atrophy, Focal                 |
| Pituitary gland |                       | Hyperplasia, Chromophobe Cell  |
| Spleen          |                       | Fibrosarcoma                   |
| Testis          |                       | Interstitial-Cell Tumor        |
| Thyroid         |                       | Hyperplasia, C Cell            |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Prostate

Stomach

Testis

Thyroid

Bile Duct

Mammary Acinus

Cardiac Stomach

Pheochromocytoma

Degeneration, Nos

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Hepatocellular Carcinoma

Hyperplasia, Focal

Hyperplasia, Lymphoid

Dilatation, Ducts

Dilatation, Nos

Chromophobe Adenoma

Inflammation, Multifocal

Hyperplasia, Nos

Interstitial-Cell Tumor

C-Cell Carcinoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |               |                             |
|-----------------|---------------|-----------------------------|
| Heart           |               | Degeneration, Nos           |
|                 | Cardiac Valve | Fibrosis, Multifocal        |
| Intestine Small | Jejunum       | Leiomyoma                   |
| Kidney          |               | Nephropathy                 |
| Liver           |               | Clear-Cell Change           |
|                 |               | Neoplastic Nodule           |
| Lung            |               | Hyperplasia, Lymphoid       |
| Mammary gland   |               | Dilatation, Ducts           |
| Pancreas        | Acinus        | Atrophy, Focal              |
| Testis          |               | Interstitial-Cell Tumor     |
| Thyroid         |               | Hyperplasia, C Cell         |
| Urinary bladder |               | Transitional-Cell Papilloma |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:40

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

**Lab:** NA

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortical Adenoma

Heart

Pheochromocytoma

Kidney

Tubule

Degeneration, Nos

Cyst, Nos

Liver

Bile Duct

Nephropathy

Hyperplasia, Focal

Neoplastic Nodule

Lung

Hyperplasia, Lymphoid

Lymph node

Mesenteric Lymph Node

Inflammation, Granulomatous Focal

Lymphangiectasis

Mammary gland

Mammary Acinus

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Pancreas

Acinus

Atrophy, Focal

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|            |                       |                                   |
|------------|-----------------------|-----------------------------------|
| Heart      |                       | Degeneration, Nos                 |
| Kidney     |                       | Nephropathy                       |
| Liver      |                       | Clear-Cell Change                 |
|            |                       | Cytoplasmic Change, Basophilic    |
|            |                       | Neoplastic Nodule                 |
| Lung       |                       | Hyperplasia, Lymphoid             |
| Lymph node | Mandibular Lymph Node | Inflammation, Granulomatous Focal |
| Spleen     | Red Pulp              | Hematopoiesis                     |
| Testis     |                       | Interstitial-Cell Tumor           |
| Thyroid    |                       | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |               |                                   |
|-----------------|---------------|-----------------------------------|
| Adrenal gland   |               | Pheochromocytoma                  |
| Heart           |               | Degeneration, Nos                 |
| Intestine Small | Mesentery Nos | Inflammation, Granulomatous Focal |
| Kidney          |               | Nephropathy                       |
| Liver           | Bile Duct     | Cyst, Nos                         |
|                 | Bile Duct     | Cytoplasmic Change, Basophilic    |
|                 |               | Hyperplasia, Focal                |
|                 |               | Neoplastic Nodule                 |
| Pancreas        |               | Dilatation, Ducts                 |
|                 |               | Inflammation, Acute/Chronic       |
| Pituitary gland |               | Hyperplasia, Chromophobe Cell     |
| Spleen          | Red Pulp      | Hematopoiesis                     |
| Testis          |               | Interstitial-Cell Tumor           |
| Thyroid         |               | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |               |  |
|-----------------|---------------|--|
| Adrenal gland   | Medulla       | Hyperplasia, Focal<br>Pheochromocytoma                       |
| Heart           | Cardiac Valve | Degeneration, Nos<br>Fibrosis, Multifocal                    |
| Kidney          |               | Nephropathy  |
| Liver           | Bile Duct     | Clear-Cell Change<br>Hyperplasia, Focal<br>Neoplastic Nodule |
| Lung            |               | Hyperplasia, Lymphoid  |
| Pancreas        | Acinus        | Atrophy, Diffuse   |
| Pituitary gland |               | Hyperplasia, Chromophobe Cell                                |
| Testis          |               | Interstitial-Cell Tumor                                      |
| Thyroid         |               | Hyperplasia, C Cell  |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |               |                                |
|---------|---------------|--------------------------------|
| Heart   |               | Degeneration, Nos              |
| Kidney  |               | Nephropathy                    |
| Liver   |               | Cytoplasmic Change, Basophilic |
|         | Centrilobular | Degeneration, Nos              |
|         | Bile Duct     | Hyperplasia, Focal             |
|         |               | Neoplastic Nodule              |
| Testis  |               | Interstitial-Cell Tumor        |
| Thyroid |               | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Brain

Necrosis, Hemorrhagic

Intestine Small

Mesentery Nos

Inflammation, Granulomatous

Kidney

Nephropathy

Pancreas

Acinus

Atrophy, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|                 |                       |                                   |
|-----------------|-----------------------|-----------------------------------|
| Blood vessel    |                       | Congestion, Nos                   |
| Heart           |                       | Degeneration, Nos                 |
|                 | Cardiac Valve         | Fibrosis, Multifocal              |
| Intestine Small | Mesentery Nos         | Inflammation, Granulomatous Focal |
| Kidney          |                       | Nephropathy                       |
| Liver           | Bile Duct             | Hyperplasia, Focal                |
|                 |                       | Neoplastic Nodule                 |
| Lymph node      | Mandibular Lymph Node | Lymphangiectasis                  |
| Spleen          |                       | Depletion, Lymphoid               |
| Stomach         |                       | Mineralization                    |
| Testis          |                       | Interstitial-Cell Tumor           |
| Unspecified     |                       | Fibroma                           |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| Heart           |             | Degeneration, Nos                |
| Kidney          |             | Nephropathy                      |
| Liver           |             | Cytoplasmic Change, Basophilic   |
|                 |             | Cytoplasmic Change, Eosinophilic |
|                 | Hepatocytes | Degeneration, Nos                |
|                 | Bile Duct   | Hyperplasia, Focal               |
| Pancreas        | Acinus      | Atrophy, Focal                   |
| Pituitary gland |             | Hyperplasia, Chromophobe Cell    |
| Spleen          |             | Hematopoiesis                    |
| Testis          |             | Interstitial-Cell Tumor          |
| Unspecified     |             | Fibroma                          |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** C.I. Solvent yellow 14  
**CAS Number:** 842-07-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:32:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1  
**DOSE:** 500 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

|               |                       |                                |
|---------------|-----------------------|--------------------------------|
| Adrenal gland |                       | Pheochromocytoma               |
| Heart         |                       | Degeneration, Nos              |
| Kidney        |                       | Nephropathy                    |
| Liver         |                       | Clear-Cell Change              |
|               | Bile Duct             | Cytoplasmic Change, Basophilic |
|               |                       | Hyperplasia, Focal             |
|               |                       | Neoplastic Nodule              |
| Lung          |                       | Hyperplasia, Lymphoid          |
| Lymph node    | Mesenteric Lymph Node | Depletion, Lymphoid            |
| Mammary gland | Mammary Acinus        | Dilatation, Nos                |
| Pancreas      | Acinus                | Atrophy, Focal                 |
| Spleen        |                       | Hyperplasia, Reticulum Cell    |
| Stomach       | Cardiac Stomach       | Hyperplasia, Basal Cell        |
| Testis        |                       | Interstitial-Cell Tumor        |
| Thyroid       |                       | Hyperplasia, C Cell            |
| Unspecified   |                       | Fibroma                        |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                                |
|-----------------|-----------|--------------------------------|
| Heart           |           | Degeneration, Nos              |
| Kidney          |           | Nephropathy                    |
| Liver           |           | Clear-Cell Change              |
|                 |           | Cytoplasmic Change, Basophilic |
|                 | Bile Duct | Hyperplasia, Focal             |
|                 |           | Neoplastic Nodule              |
| Pancreas        | Acinus    | Atrophy, Focal                 |
| Preputial gland |           | Adenoma, Nos                   |
| Testis          |           | Interstitial-Cell Tumor        |
| Thyroid         |           | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |                    |                          |
|----------|--------------------|--------------------------|
| Brain    | Craniobuccal Pouch | Embryonal Rest           |
| Heart    |                    | Degeneration, Nos        |
| Kidney   |                    | Nephropathy              |
| Liver    |                    | Clear-Cell Change        |
|          | Bile Duct          | Hyperplasia, Focal       |
|          |                    | Neoplastic Nodule        |
| Prostate |                    | Inflammation, Multifocal |
| Testis   |                    | Interstitial-Cell Tumor  |
| Thyroid  |                    | Hyperplasia, C Cell      |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |               |                                |
|-----------------|---------------|--------------------------------|
| Bone marrow     |               | Hyperplasia, Granulocytic      |
| Heart           |               | Degeneration, Nos              |
| Intestine Small | Mesentery Nos | Inflammation, Granulomatous    |
| Kidney          |               | Nephropathy                    |
| Liver           |               | Clear-Cell Change              |
|                 | Bile Duct     | Cytoplasmic Change, Basophilic |
|                 |               | Hyperplasia, Focal             |
|                 |               | Neoplastic Nodule              |
| Lung            |               | Hyperplasia, Lymphoid          |
| Pancreas        |               | Acinar-Cell Adenoma            |
| Pituitary gland |               | Hyperplasia, Chromophobe Cell  |
| Spleen          | Red Pulp      | Hematopoiesis                  |
| Testis          |               | Interstitial-Cell Tumor        |
| Thyroid         |               | Hyperplasia, C Cell            |
| Unspecified     |               | Fibroma                        |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|             |                       |                                   |
|-------------|-----------------------|-----------------------------------|
| Heart       |                       | Degeneration, Nos                 |
| Kidney      |                       | Nephropathy                       |
| Liver       |                       | Cytoplasmic Change, Basophilic    |
|             |                       | Degeneration, Cystic              |
|             | Bile Duct             | Hyperplasia, Focal                |
| Lymph node  | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas    | Acinus                | Atrophy, Focal                    |
| Testis      |                       | Interstitial-Cell Tumor           |
| Thyroid     |                       | Hyperplasia, C Cell               |
| Unspecified | Hip                   | Fibroma                           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone marrow

Medulla

Ganglioneuroblastoma  
Congestion, Nos  
Hypoplasia, Erythroid

Heart

Cardiac Valve

Degeneration, Nos  
Fibrosis, Multifocal

Kidney

Nephropathy

Liver

Angiectasis

Pancreas

Neoplastic Nodule

Prostate

Fibrosis, Diffuse

Skin

Congestion, Nos

Testis

Fibrosis, Diffuse

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Mesentery Nos

Inflammation, Granulomatous

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Lymph node

Mandibular Lymph Node

Plasmacytosis

Pancreas

Acinus

Atrophy, Focal

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|             |                       |                                   |
|-------------|-----------------------|-----------------------------------|
| Bone marrow |                       | Hyperplasia, Granulocytic         |
| Heart       |                       | Degeneration, Nos                 |
| Kidney      |                       | Nephropathy                       |
| Liver       |                       | Angiectasis                       |
|             |                       | Cytoplasmic Change, Basophilic    |
| Lung        |                       | Inflammation, Interstitial        |
| Lymph node  | Mandibular Lymph Node | Hyperplasia, Lymphoid             |
| Pancreas    | Acinus                | Atrophy, Focal                    |
| Spleen      |                       | Inflammation, Granulomatous Focal |
| Testis      |                       | Interstitial-Cell Tumor           |
| Thyroid     |                       | Hyperplasia, C Cell               |
| Unspecified |                       | Fibroma                           |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |           |                               |
|-----------------|-----------|-------------------------------|
| Heart           |           | Degeneration, Nos             |
| Kidney          |           | Nephropathy                   |
| Liver           | Bile Duct | Hyperplasia, Focal            |
| Lung            |           | Congestion, Passive           |
|                 |           | Hyperplasia, Lymphoid         |
|                 |           | Inflammation, Interstitial    |
| Pancreas        | Acinus    | Atrophy, Diffuse              |
|                 | Islets    | Islet-Cell Carcinoma          |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell |
| Testis          |           | Interstitial-Cell Tumor       |
| Thyroid         |           | Hyperplasia, C Cell           |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |               |                         |
|----------|---------------|-------------------------|
| Heart    |               | Degeneration, Nos       |
|          | Cardiac Valve | Fibrosis, Multifocal    |
| Kidney   |               | Nephropathy             |
| Liver    | Bile Duct     | Hyperplasia, Focal      |
| Lung     |               | Hyperplasia, Lymphoid   |
| Pancreas | Acinus        | Atrophy, Focal          |
| Testis   |               | Interstitial-Cell Tumor |
| Thyroid  |               | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |               |                                   |
|---------|---------------|-----------------------------------|
| Heart   |               | Degeneration, Nos                 |
|         | Cardiac Valve | Fibrosis, Multifocal              |
| Kidney  |               | Nephropathy                       |
| Liver   | Bile Duct     | Hyperplasia, Focal                |
|         |               | Inflammation, Granulomatous Focal |
|         |               | Neoplastic Nodule                 |
| Lung    |               | Hyperplasia, Lymphoid             |
| Spleen  |               | Fibrosis, Diffuse                 |
| Testis  |               | Interstitial-Cell Tumor           |
| Thyroid |               | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Blood vessel

Kidney

Sup.Panc-Duod.Artery

Liver

Testis

Bile Duct

Ganglioneuroblastoma

Inflammation, Chronic

Arteriosclerosis, Nos

Nephropathy

Hyperplasia, Focal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |               |                                |
|----------|---------------|--------------------------------|
| Heart    |               | Degeneration, Nos              |
|          | Cardiac Valve | Fibrosis, Multifocal           |
| Kidney   |               | Nephropathy                    |
| Liver    |               | Clear-Cell Change              |
|          |               | Cytoplasmic Change, Basophilic |
|          | Bile Duct     | Hyperplasia, Focal             |
|          |               | Neoplastic Nodule              |
| Lung     |               | Hyperplasia, Lymphoid          |
| Pancreas | Acinus        | Atrophy, Focal                 |
| Testis   |               | Interstitial-Cell Tumor        |
| Thyroid  |               | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                  |                                |
|-----------------|------------------|--------------------------------|
| Eye             | Retina           | Degeneration, Nos              |
|                 | Crystalline Lens | Mineralization                 |
| Heart           |                  | Degeneration, Nos              |
|                 | Cardiac Valve    | Fibrosis, Multifocal           |
| Intestine Small | Ileum, Ileum     | Adenocarcinoma, Nos            |
| Kidney          |                  | Nephropathy                    |
| Liver           |                  | Clear-Cell Change              |
|                 |                  | Cytoplasmic Change, Basophilic |
|                 | Bile Duct        | Hyperplasia, Focal             |
|                 |                  | Neoplastic Nodule              |
| Lung            |                  | Hyperplasia, Lymphoid          |
| Testis          |                  | Interstitial-Cell Tumor        |
| Thyroid         |                  | Hyperplasia, C Cell            |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                 |                                   |
|-----------------|-----------------|-----------------------------------|
| Kidney          |                 | Nephropathy                       |
| Mammary gland   |                 | Dilatation, Ducts                 |
| Nasal cavity    |                 | Squamous Cell Carcinoma, Invasive |
| Pituitary gland |                 | Hyperplasia, Chromophobe Cell     |
| Stomach         | Cardiac Stomach | Ulcer, Acute                      |
| Testis          |                 | Interstitial-Cell Tumor           |
| Unspecified     |                 | Squamous Cell Carcinoma           |
|                 | Orbital Region  | Squamous Cell Carcinoma, Invasive |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                            |   |
|-----------------|----------------------------|---|
| Brain           |                            | Atrophy, Pressure<br>Hydrocephalus, Nos |
| Kidney          |                            | Nephropathy                             |
| Liver           | Bile Duct<br>Centrilobular | Hyperplasia, Nos<br>Necrosis, Focal     |
| Pituitary gland |                            | Chromophobe Adenoma                     |
| Testis          |                            | Atrophy, Nos<br>Interstitial-Cell Tumor |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |               |                         |
|----------|---------------|-------------------------|
| Heart    |               | Degeneration, Nos       |
|          | Cardiac Valve | Fibrosis, Multifocal    |
| Kidney   |               | Nephropathy             |
| Liver    | Bile Duct     | Hyperplasia, Focal      |
|          |               | Neoplastic Nodule       |
| Lung     |               | Hyperplasia, Lymphoid   |
| Pancreas | Acinus        | Atrophy, Focal          |
| Testis   |               | Interstitial-Cell Tumor |
| Thyroid  |               | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| Heart           |           | Degeneration, Nos                 |
| Kidney          |           | Nephropathy                       |
| Liver           |           | Clear-Cell Change                 |
|                 | Bile Duct | Hyperplasia, Focal                |
|                 |           | Inflammation, Granulomatous Focal |
| Lung            |           | Hyperplasia, Lymphoid             |
| Pancreas        | Acinus    | Atrophy, Focal                    |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell     |
| Testis          |           | Interstitial-Cell Tumor           |
| Thyroid         |           | C-Cell Carcinoma                  |
| Trachea         | Submucosa | Hyperplasia, Lymphoid             |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart  
Kidney  
Pituitary gland

Myocardium Nos

Degeneration, Nos  
Nephropathy  
Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|            |                       |   |
|------------|-----------------------|---|
| Heart      |                       | Degeneration, Nos                       |
| Kidney     |                       | Nephropathy                             |
| Liver      | Bile Duct             | Hyperplasia, Focal<br>Neoplastic Nodule |
| Lung       |                       | Hyperplasia, Lymphoid                   |
| Lymph node | Mandibular Lymph Node | Plasmacytosis                           |
| Spleen     |                       | Fibrosarcoma                            |
| Testis     |                       | Atrophy, Nos<br>Interstitial-Cell Tumor |
| Thyroid    |                       | Hyperplasia, C Cell                     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                   |                  |  |
|-------------------|------------------|--|
| Heart             |                  | Degeneration, Nos  |
| Kidney            | Tubule           | Cyst, Nos<br>Nephropathy   |
| Liver             | Bile Duct        | Cytoplasmic Change, Basophilic<br>Hyperplasia, Focal<br>Inflammation, Granulomatous Focal<br>Neoplastic Nodule |
| Lung              |                  | Hyperplasia, Lymphoid  |
| Lymph node        | Renal Lymph Node | Depletion, Lymphoid  |
|                   | Renal Lymph Node | Inflammation, Granulomatous  |
| Pancreas          | Acinus           | Atrophy, Focal   |
| Parathyroid gland |                  | Hyperplasia, Nos   |
| Stomach           | Cardiac Stomach  | Hyperplasia, Focal   |
| Testis            |                  | Atrophy, Nos<br>Interstitial-Cell Tumor  |
| Thyroid           |                  | Hyperplasia, C Cell  |

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|            |                       |                                   |
|------------|-----------------------|-----------------------------------|
| Heart      |                       | Degeneration, Nos                 |
|            | Cardiac Valve         | Fibrosis, Multifocal              |
| Kidney     |                       | Nephropathy                       |
| Liver      |                       | Cytoplasmic Change, Basophilic    |
|            | Bile Duct             | Hyperplasia, Focal                |
|            |                       | Inflammation, Granulomatous Focal |
| Lung       |                       | Hyperplasia, Lymphoid             |
| Lymph node | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Testis     |                       | Hyperplasia, Interstitial Cell    |
|            |                       | Interstitial-Cell Tumor           |
| Thyroid    |                       | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Bile Duct

Lung

Testis

Thyroid

Pheochromocytoma

Degeneration, Nos

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|            |                       |                                   |
|------------|-----------------------|-----------------------------------|
| Heart      |                       | Degeneration, Nos                 |
| Kidney     |                       | Nephropathy                       |
| Liver      |                       | Cytoplasmic Change, Basophilic    |
|            | Bile Duct             | Hyperplasia, Focal                |
|            |                       | Neoplastic Nodule                 |
| Lung       |                       | Hyperplasia, Lymphoid             |
| Lymph node | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas   | Acinus                | Atrophy, Focal                    |
| Testis     |                       | Interstitial-Cell Tumor           |
| Thyroid    |                       | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Pigmentation, Nos

Skin

Inflammation, Acute Focal

Testis

Squamous Cell Carcinoma

Atrophy, Diffuse

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                       |                                   |
|-----------------|-----------------------|-----------------------------------|
| Brain           | Cerebrum              | Atrophy, Pressure                 |
| Heart           |                       | Degeneration, Nos                 |
| Kidney          |                       | Nephropathy                       |
| Liver           |                       | Cytoplasmic Change, Basophilic    |
|                 | Bile Duct             | Hyperplasia, Focal                |
| Lung            |                       | Hyperplasia, Lymphoid             |
| Lymph node      | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Pituitary gland |                       | Chromophobe Adenoma               |
| Testis          |                       | Interstitial-Cell Tumor           |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Kidney  
Lung  
Prostate  
Spinal cord  
  
Testis

Colon

Pheochromocytoma  
Nematodiasis  
Nephropathy  
Hyperplasia, Lymphoid  
Hyperplasia, Epithelial  
Degeneration, Wallerian  
Inflammation, Nos  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Testis

Tubule

Mineralization

Atrophy, Diffuse

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                             |
|-----------------|-----------|-----------------------------|
| Heart           |           | Degeneration, Nos           |
| Kidney          |           | Nephropathy                 |
| Liver           | Bile Duct | Hyperplasia, Focal          |
| Lung            |           | Hyperplasia, Lymphoid       |
| Pancreas        | Acinus    | Atrophy, Focal              |
|                 |           | Dilatation, Ducts           |
| Seminal vesicle |           | Inflammation, Acute/Chronic |
| Testis          |           | Interstitial-Cell Tumor     |
| Thyroid         |           | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Left Atrium Nos

Thrombosis, Nos

Kidney

Nephropathy

Liver

Congestion, Chronic Passive

Centrilobular

Necrosis, Focal

Pituitary gland

Hyperplasia, Chromophobe Cell

Testis

Atrophy, Focal

Thyroid

Interstitial-Cell Tumor

Unspecified

Abdominal Cavity

Hemorrhage

Inflammation, Granulomatous Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                    |                                   |
|-----------------|--------------------|-----------------------------------|
| Brain           | Craniobuccal Pouch | Embryonal Rest                    |
| Heart           |                    | Degeneration, Nos                 |
| Kidney          |                    | Nephropathy                       |
| Liver           |                    | Cytoplasmic Change, Basophilic    |
|                 | Bile Duct          | Hyperplasia, Focal                |
|                 |                    | Inflammation, Granulomatous Focal |
| Lung            |                    | Hyperplasia, Lymphoid             |
| Pancreas        | Islets             | Islet-Cell Adenoma                |
| Pituitary gland | Acidophil Cell     | Hyperplasia, Nos                  |
| Testis          |                    | Interstitial-Cell Tumor           |
|                 | Tunica Vaginalis   | Mesothelioma, Nos                 |
| Thyroid         |                    | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                                |
|-----------------|-----------|--------------------------------|
| Heart           |           | Degeneration, Nos              |
| Kidney          |           | Nephropathy                    |
| Liver           |           | Clear-Cell Change              |
|                 |           | Cytoplasmic Change, Basophilic |
|                 | Bile Duct | Hyperplasia, Focal             |
| Lung            |           | Hyperplasia, Lymphoid          |
| Pancreas        | Acinus    | Atrophy, Focal                 |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell  |
| Testis          |           | Interstitial-Cell Tumor        |
| Thyroid         |           | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |               |                                |
|----------|---------------|--------------------------------|
| Heart    |               | Degeneration, Nos              |
|          | Cardiac Valve | Fibrosis, Multifocal           |
|          |               | Pigmentation, Nos              |
| Kidney   |               | Nephropathy                    |
| Liver    |               | Clear-Cell Change              |
|          |               | Cytoplasmic Change, Basophilic |
|          | Bile Duct     | Hyperplasia, Focal             |
| Lung     |               | Hyperplasia, Lymphoid          |
| Prostate |               | Inflammation, Multifocal       |
| Testis   |               | Interstitial-Cell Tumor        |
| Thyroid  |               | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Mammary gland

Mammary Acinus

Hyperplasia, Focal

Pancreas

Acinus

Atrophy, Focal

Prostate

Inflammation, Multifocal

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|          |           |                                |
|----------|-----------|--------------------------------|
| Heart    |           | Degeneration, Nos              |
| Kidney   |           | Nephropathy                    |
| Liver    |           | Cytoplasmic Change, Basophilic |
|          | Bile Duct | Hyperplasia, Focal             |
|          |           | Neoplastic Nodule              |
| Pancreas | Acinus    | Atrophy, Focal                 |
| Testis   |           | Interstitial-Cell Tumor        |
| Thyroid  |           | C-Cell Carcinoma               |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|            |                       |
|------------|-----------------------|
| Kidney     | Tubule                |
| Liver      | Centrilobular         |
| Lung       |                       |
| Lymph node | Mandibular Lymph Node |
| Pancreas   | Acinus                |

|                   |
|-------------------|
| Regeneration, Nos |
| Necrosis, Nos     |
| Edema, Nos        |
| Hemorrhage        |
| Necrosis, Nos     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|               |                       |                                   |
|---------------|-----------------------|-----------------------------------|
| Heart         |                       | Degeneration, Nos                 |
| Kidney        |                       | Nephropathy                       |
| Liver         |                       | Cytoplasmic Change, Basophilic    |
|               |                       | Inflammation, Granulomatous Focal |
| Lung          |                       | Hyperplasia, Alveolar Epithelium  |
|               | Bronchiole            | Hyperplasia, Nos                  |
| Lymph node    | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Mammary gland |                       | Dilatation, Ducts                 |
| Testis        |                       | Interstitial-Cell Tumor           |
| Thyroid       |                       | Hyperplasia, C Cell               |
| Unspecified   | Mediastinum Nos       | Thrombus, Mural                   |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Neoplastic Nodule

Lung

Hyperplasia, Lymphoid

Pancreas

Acinus

Atrophy, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                           |
|-------------|---------------------|---------------------------|
| Heart       |                     | Degeneration, Nos         |
| Kidney      |                     | Nephropathy               |
| Liver       | Centrilobular       | Necrosis, Diffuse         |
| Skin        |                     | Cyst, Epidermal Inclusion |
| Stomach     | Cardiac Stomach     | Ulcer, Focal              |
| Testis      |                     | Interstitial-Cell Tumor   |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Bile Duct

Testis

Thyroid

Pheochromocytoma

Degeneration, Nos

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Neoplastic Nodule

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                                |
|-----------------|-----------|--------------------------------|
| Heart           |           | Degeneration, Nos              |
| Kidney          |           | Nephropathy                    |
| Liver           |           | Clear-Cell Change              |
|                 |           | Cytoplasmic Change, Basophilic |
|                 | Bile Duct | Hyperplasia, Focal             |
| Lung            |           | Hyperplasia, Lymphoid          |
| Pancreas        | Acinus    | Atrophy, Focal                 |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell  |
| Prostate        |           | Papillary Adenoma              |
| Testis          |           | Interstitial-Cell Tumor        |
| Thyroid         |           | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Preputial gland

Prostate

Spleen

Testis

Left Atrium Nos

Centrilobular

Pheochromocytoma

Thrombus, Organized

Nephropathy

Necrosis, Focal

Edema, Nos

Adenoma, Nos

Inflammation, Acute/Chronic

Fibrosis, Focal

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|            |                       |                                   |
|------------|-----------------------|-----------------------------------|
| Heart      |                       | Degeneration, Nos                 |
| Kidney     |                       | Nephropathy                       |
| Liver      |                       | Cytoplasmic Change, Basophilic    |
|            | Bile Duct             | Hyperplasia, Focal                |
| Lung       |                       | Hyperplasia, Lymphoid             |
| Lymph node | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas   | Acinus                | Atrophy, Focal                    |
| Testis     |                       | Interstitial-Cell Tumor           |
| Thyroid    |                       | Hyperplasia, C Cell               |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|                 |                       |                                   |
|-----------------|-----------------------|-----------------------------------|
| Heart           |                       | Degeneration, Nos                 |
| Liver           | Centrilobular         | Necrosis, Focal                   |
| Lung            |                       | Hyperplasia, Lymphoid             |
| Lymph node      | Mandibular Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas        | Islets                | Hyperplasia, Focal                |
| Pituitary gland |                       | Hyperplasia, Chromophobe Cell     |
| Spleen          | Red Pulp              | Hematopoiesis                     |
| Testis          |                       | Interstitial-Cell Tumor           |
| Unspecified     |                       | Fibroma                           |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |               |                                |
|----------|---------------|--------------------------------|
| Heart    |               | Degeneration, Nos              |
|          | Cardiac Valve | Fibrosis, Multifocal           |
| Kidney   |               | Nephropathy                    |
| Liver    |               | Cytoplasmic Change, Basophilic |
|          | Bile Duct     | Hyperplasia, Focal             |
| Lung     |               | Hyperplasia, Lymphoid          |
| Prostate |               | Inflammation, Multifocal       |
| Spleen   | Red Pulp      | Hematopoiesis                  |
| Testis   |               | Hematoma, Nos                  |
|          |               | Interstitial-Cell Tumor        |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                                |
|--------|--------------------------------|
| Brain  | Atrophy, Pressure              |
|        | Hydrocephalus, Nos             |
| Heart  | Degeneration, Nos              |
| Kidney | Nephropathy                    |
| Liver  | Congestion, Chronic Passive    |
| Testis | Hyperplasia, Interstitial Cell |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Parathyroid gland

Pituitary gland

Testis

Necrosis, Hemorrhagic

Degeneration, Nos

Nephropathy

Hyperplasia, Diffuse

Angiectasis

Hemorrhage

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|            |                       |                                   |
|------------|-----------------------|-----------------------------------|
| Heart      |                       | Degeneration, Nos                 |
|            | Cardiac Valve         | Fibrosis, Multifocal              |
| Kidney     |                       | Nephropathy                       |
| Liver      | Bile Duct             | Hyperplasia, Focal                |
| Lymph node | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Testis     |                       | Interstitial-Cell Tumor           |
| Thyroid    | Follicle              | Cyst, Multiple                    |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                       |                                   |
|-----------------|-----------------------|-----------------------------------|
| Heart           |                       | Degeneration, Nos                 |
| Intestine Small | Mesentery Nos         | Inflammation, Granulomatous Focal |
| Kidney          |                       | Nephropathy                       |
| Liver           |                       | Clear-Cell Change                 |
|                 | Bile Duct             | Hyperplasia, Focal                |
|                 |                       | Neoplastic Nodule                 |
| Lung            |                       | Hyperplasia, Lymphoid             |
| Lymph node      | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas        | Acinus                | Atrophy, Focal                    |
| Prostate        |                       | Inflammation, Multifocal          |
| Testis          |                       | Hematoma, Nos                     |
|                 |                       | Interstitial-Cell Tumor           |
| Thyroid         |                       | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|               |                       |                                  |
|---------------|-----------------------|----------------------------------|
| Heart         |                       | Degeneration, Nos                |
| Kidney        |                       | Nephropathy                      |
| Liver         | Bile Duct             | Hyperplasia, Focal               |
|               | Centrilobular         | Necrosis, Diffuse                |
| Lung          |                       | Hyperplasia, Alveolar Epithelium |
|               | Bronchiole            | Hyperplasia, Nos                 |
| Lymph node    |                       | Inflammation, Diffuse            |
|               | Mandibular Lymph Node | Plasmacytosis                    |
| Mammary gland |                       | Dilatation, Ducts                |
|               | Mammary Acinus        | Dilatation, Nos                  |
| Prostate      |                       | Inflammation, Multifocal         |
| Spleen        | Red Pulp              | Hematopoiesis                    |
| Stomach       | Fundus                | Ulcer, Nos                       |
| Testis        |                       | Interstitial-Cell Tumor          |
| Thyroid       |                       | Hyperplasia, C Cell              |
| Unspecified   | Multiple Organs Nos   | Angiosarcoma                     |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                |                                   |
|-----------------|----------------|-----------------------------------|
| Adrenal gland   | Medulla        | Ganglioneuroblastoma              |
| Heart           |                | Degeneration, Nos                 |
| Kidney          |                | Nephropathy                       |
| Liver           | Bile Duct      | Hyperplasia, Focal                |
|                 |                | Inflammation, Granulomatous Focal |
| Lung            |                | Hyperplasia, Lymphoid             |
| Mammary gland   |                | Adenoma, Nos                      |
|                 | Mammary Acinus | Hyperplasia, Focal                |
| Pancreas        | Islets         | Islet-Cell Adenoma                |
| Pituitary gland |                | Chromophobe Adenoma               |
| Prostate        |                | Inflammation, Multifocal          |
| Testis          |                | Atrophy, Nos                      |
|                 |                | Hyperplasia, Interstitial Cell    |
|                 |                | Interstitial-Cell Tumor           |
| Thyroid         |                | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |                 |                                |
|----------|-----------------|--------------------------------|
| Heart    |                 | Degeneration, Nos              |
| Kidney   |                 | Nephropathy                    |
| Liver    |                 | Clear-Cell Change              |
|          |                 | Cytoplasmic Change, Basophilic |
|          | Bile Duct       | Hyperplasia, Focal             |
| Lung     |                 | Hyperplasia, Lymphoid          |
| Pancreas | Acinus          | Atrophy, Focal                 |
| Prostate |                 | Inflammation, Multifocal       |
| Stomach  | Cardiac Stomach | Hyperplasia, Basal Cell        |
| Testis   |                 | Interstitial-Cell Tumor        |
| Thyroid  |                 | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Lung

Hyperplasia, Alveolar Epithelium

Bronchiole

Hyperplasia, Nos

Pancreas

Islets

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |               |   |
|-----------------|---------------|---|
| Adrenal gland   | Medulla       | Hyperplasia, Focal<br>Metamorphosis, Fatty          |
| Heart           | Cardiac Valve | Degeneration, Nos<br>Fibrosis, Multifocal           |
| Kidney          |               | Nephropathy   |
| Liver           |               | Clear-Cell Change<br>Cytoplasmic Change, Basophilic |
|                 | Bile Duct     | Hyperplasia, Focal<br>Neoplastic Nodule             |
| Lung            |               | Hyperplasia, Lymphoid                               |
| Pancreas        | Acinus        | Atrophy, Focal                                      |
| Pituitary gland |               | Hyperplasia, Chromophobe Cell                       |
| Testis          |               | Interstitial-Cell Tumor                             |
| Thyroid         |               | C-Cell Carcinoma<br>Hyperplasia, C Cell             |

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|               |           |                            |
|---------------|-----------|----------------------------|
| Adrenal gland | Medulla   | Ganglioneuroblastoma       |
| Bone          | Rib       | Osteoporosis               |
| Heart         |           | Degeneration, Nos          |
| Kidney        |           | Nephropathy                |
| Liver         |           | Congestion, Passive        |
|               | Bile Duct | Hyperplasia, Focal         |
| Lung          |           | Congestion, Passive        |
|               |           | Inflammation, Interstitial |
| Spleen        |           | Depletion, Lymphoid        |
| Testis        |           | Interstitial-Cell Tumor    |
| Thymus        |           | Congestion, Passive        |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |               |                                |
|-----------------|---------------|--------------------------------|
| Heart           |               | Degeneration, Nos              |
|                 | Cardiac Valve | Fibrosis, Multifocal           |
| Kidney          |               | Nephropathy                    |
| Liver           |               | Cytoplasmic Change, Basophilic |
|                 | Bile Duct     | Hyperplasia, Focal             |
|                 |               | Neoplastic Nodule              |
| Lung            |               | Hyperplasia, Lymphoid          |
| Pancreas        | Acinus        | Atrophy, Focal                 |
| Pituitary gland |               | Chromophobe Adenoma            |
| Skin            | Scrotum       | Fibroma                        |
| Testis          |               | Interstitial-Cell Tumor        |
| Thyroid         |               | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Testis

Thyroid

Cardiac Valve

Cortex

Bile Duct

Acinus

Pheochromocytoma

Degeneration, Nos

Fibrosis, Multifocal

Cyst, Multiple

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Hyperplasia, Lymphoid

Atrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                |                                   |
|-----------------|----------------|-----------------------------------|
| Blood vessel    | Aorta Nos      | Periarteritis                     |
| Brain           | Cerebellum Nos | Astrocytoma                       |
| Heart           |                | Degeneration, Nos                 |
| Intestine Small | Mesentery Nos  | Inflammation, Granulomatous Focal |
| Kidney          |                | Nephropathy                       |
| Liver           |                | Clear-Cell Change                 |
|                 |                | Cytoplasmic Change, Basophilic    |
| Lung            |                | Hyperplasia, Lymphoid             |
| Mammary gland   |                | Dilatation, Ducts                 |
| Pancreas        | Acinus         | Atrophy, Diffuse                  |
| Pituitary gland |                | Hyperplasia, Chromophobe Cell     |
| Testis          |                | Atrophy, Nos                      |
|                 |                | Hyperplasia, Interstitial Cell    |
|                 |                | Interstitial-Cell Tumor           |
| Thyroid         |                | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                          |
|-----------------|-----------|--------------------------|
| Heart           |           | Degeneration, Nos        |
| Kidney          |           | Nephropathy              |
| Liver           | Bile Duct | Hyperplasia, Focal       |
| Lung            |           | Hyperplasia, Lymphoid    |
| Pituitary gland |           | Chromophobe Adenoma      |
| Prostate        |           | Inflammation, Multifocal |
| Testis          |           | Atrophy, Nos             |
|                 |           | Interstitial-Cell Tumor  |
| Thyroid         |           | Hyperplasia, C Cell      |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                  |                                |
|-----------------|------------------|--------------------------------|
| Adrenal gland   | Zona Reticularis | Cytoplasmic Vacuolization      |
| Brain           | White Matter     | Cytoplasmic Vacuolization      |
| Heart           |                  | Degeneration, Nos              |
| Kidney          |                  | Nephropathy                    |
| Liver           |                  | Clear-Cell Change              |
|                 |                  | Cytoplasmic Change, Basophilic |
|                 | Bile Duct        | Hyperplasia, Focal             |
| Pancreas        |                  | Cytoplasmic Vacuolization      |
|                 | Islets           | Islet-Cell Adenoma             |
| Pituitary gland |                  | Chromophobe Adenoma            |
| Spleen          | Red Pulp         | Hematopoiesis                  |
| Testis          |                  | Interstitial-Cell Tumor        |
| Thyroid         |                  | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|                 |                |                                   |
|-----------------|----------------|-----------------------------------|
| Heart           | Myocardium Nos | Degeneration, Nos                 |
| Intestine Small | Mesentery Nos  | Mineralization                    |
| Kidney          |                | Inflammation, Granulomatous Focal |
|                 | Pelvis         | Nephropathy                       |
| Liver           | Bile Duct      | Transitional-Cell Papilloma       |
|                 | Centrilobular  | Hyperplasia, Focal                |
|                 |                | Necrosis, Focal                   |
| Lung            |                | Neoplastic Nodule                 |
|                 |                | Edema, Nos                        |
| Lymph node      |                | Pneumonia, Aspiration             |
| Spleen          |                | Hemorrhage                        |
| Testis          |                | Depletion, Lymphoid               |
| Thymus          |                | Interstitial-Cell Tumor           |
|                 |                | Congestion, Nos                   |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|               |                       |                                   |
|---------------|-----------------------|-----------------------------------|
| Adrenal gland | Medulla               | Hyperplasia, Nodular              |
| Bone marrow   |                       | Hyperplasia, Granulocytic         |
| Heart         |                       | Degeneration, Nos                 |
| Kidney        |                       | Nephropathy                       |
| Liver         | Bile Duct             | Hyperplasia, Focal                |
| Lung          |                       | Carcinosarcoma, Metastatic        |
| Lymph node    | Pancreatic Lymph Node | Inflammation, Granulomatous Focal |
| Pancreas      | Acinus                | Atrophy, Focal                    |
| Skin          | Ear                   | Carcinosarcoma                    |
| Spleen        |                       | Depletion, Lymphoid               |
| Stomach       | Mucosa                | Congestion, Nos                   |
| Testis        |                       | Interstitial-Cell Tumor           |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|                 |                       |                                      |
|-----------------|-----------------------|--------------------------------------|
| Adrenal gland   | Cortex Nos            | Metamorphosis, Fatty                 |
| Blood vessel    | Mesenteric Artery Nos | Thrombosis, Nos                      |
| Heart           |                       | Degeneration, Nos                    |
| Kidney          |                       | Nephropathy                          |
| Liver           |                       | Cytoplasmic Change, Basophilic       |
|                 | Bile Duct             | Hyperplasia, Focal                   |
| Lung            |                       | Congestion, Passive                  |
| Lymph node      | Mandibular Lymph Node | Plasmacytosis                        |
| Pancreas        | Acinus                | Atrophy, Diffuse                     |
|                 |                       | Periarteritis                        |
| Pituitary gland |                       | Adenoma, Nos                         |
| Prostate        |                       | Papillary Adenoma                    |
| Testis          |                       | Interstitial-Cell Tumor              |
| Thymus          |                       | Depletion, Lymphoid                  |
| Trachea         |                       | Inflammation, Acute/Chronic          |
| Unspecified     | Multiple Organs Nos   | Lymphoma, Lymphocytic-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |               |                                   |
|-----------------|---------------|-----------------------------------|
| Heart           |               | Degeneration, Nos                 |
|                 | Cardiac Valve | Fibrosis, Multifocal              |
| Kidney          |               | Nephropathy                       |
| Liver           |               | Cytoplasmic Change, Basophilic    |
|                 | Bile Duct     | Degeneration, Cystic              |
|                 |               | Hyperplasia, Focal                |
| Lung            |               | Inflammation, Granulomatous Focal |
| Pancreas        | Acinus        | Hyperplasia, Lymphoid             |
|                 | Islets        | Atrophy, Focal                    |
| Pituitary gland |               | Hyperplasia, Focal                |
| Testis          |               | Hyperplasia, Chromophobe Cell     |
| Thyroid         |               | Interstitial-Cell Tumor           |
|                 |               | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |              |                                |
|-----------------|--------------|--------------------------------|
| Heart           |              | Degeneration, Nos              |
| Intestine Small | Ileum, Ileum | Papillary Adenocarcinoma       |
| Kidney          |              | Nephropathy                    |
| Liver           |              | Cytoplasmic Change, Basophilic |
|                 | Bile Duct    | Hyperplasia, Focal             |
| Lung            |              | Hyperplasia, Lymphoid          |
| Prostate        |              | Inflammation, Focal            |
| Testis          |              | Interstitial-Cell Tumor        |
| Thyroid         |              | C-Cell Carcinoma               |
|                 |              | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Bile Duct

Lung

Lymph node

Mammary gland

Pancreas

Prostate

Testis

Thyroid

Pancreatic Lymph Node

Acinus

Pheochromocytoma

Degeneration, Nos

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Neoplastic Nodule

Hyperplasia, Lymphoid

Inflammation, Granulomatous Focal

Fibroadenoma

Atrophy, Focal

Inflammation, Multifocal

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |           |                         |
|----------|-----------|-------------------------|
| Heart    |           | Degeneration, Nos       |
| Kidney   | Tubule    | Cyst, Nos               |
|          |           | Nephropathy             |
| Liver    | Bile Duct | Hyperplasia, Focal      |
| Lung     |           | Hyperplasia, Lymphoid   |
| Pancreas | Acinus    | Atrophy, Focal          |
| Spleen   |           | Hematopoiesis           |
| Testis   |           | Interstitial-Cell Tumor |
| Thyroid  |           | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|                 |                         |                                |
|-----------------|-------------------------|--------------------------------|
| Brain           |                         | Astrocytoma                    |
| Heart           |                         | Degeneration, Nos              |
| Kidney          |                         | Nephropathy                    |
| Lymph node      | Cervical Lymph Node Nos | Astrocytoma, Metastatic        |
| Pituitary gland |                         | Carcinoma, Nos                 |
| Preputial gland |                         | Cyst, Nos                      |
| Stomach         | Cardiac Stomach         | Ulcer, Acute                   |
| Testis          |                         | Hyperplasia, Interstitial Cell |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |           |                             |
|-----------------|-----------|-----------------------------|
| Heart           |           | Degeneration, Nos           |
| Kidney          |           | Nephropathy                 |
| Liver           | Bile Duct | Hyperplasia, Focal          |
| Lung            |           | Hyperplasia, Lymphoid       |
| Mammary gland   |           | Dilatation, Ducts           |
| Pancreas        | Acinus    | Atrophy, Focal              |
| Preputial gland |           | Cyst, Nos                   |
| Seminal vesicle |           | Inflammation, Acute/Chronic |
| Spleen          | Red Pulp  | Hematopoiesis               |
| Testis          |           | Interstitial-Cell Tumor     |
| Thyroid         |           | Hyperplasia, C Cell         |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                                |
|-----------------|-----------|--------------------------------|
| Heart           |           | Degeneration, Nos              |
| Kidney          |           | Nephropathy                    |
| Liver           |           | Clear-Cell Change              |
|                 |           | Cytoplasmic Change, Basophilic |
|                 | Bile Duct | Hyperplasia, Focal             |
|                 |           | Neoplastic Nodule              |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell  |
| Testis          |           | Interstitial-Cell Tumor        |
| Thymus          |           | Pigmentation, Nos              |
| Thyroid         |           | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |                               |
|-----------------|-----------|-------------------------------|
| Heart           |           | Degeneration, Nos             |
| Kidney          |           | Nephropathy                   |
|                 |           | Tubular-Cell Adenoma          |
| Liver           | Bile Duct | Hyperplasia, Focal            |
| Lung            |           | Hyperplasia, Lymphoid         |
| Pancreas        | Acinus    | Atrophy, Focal                |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell |
| Testis          |           | Interstitial-Cell Tumor       |
| Thyroid         |           | Hyperplasia, C Cell           |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|                   |                     |                         |
|-------------------|---------------------|-------------------------|
| Brain             | Cerebrum            | Hemorrhage              |
| Heart             |                     | Degeneration, Nos       |
| Kidney            |                     | Nephropathy             |
| Liver             | Bile Duct           | Hyperplasia, Focal      |
| Mammary gland     |                     | Dilatation, Ducts       |
|                   | Mammary Acinus      | Dilatation, Nos         |
| Pancreas          | Acinus              | Atrophy, Focal          |
| Parathyroid gland |                     | Hyperplasia, Focal      |
| Pituitary gland   |                     | Chromophobe Adenoma     |
| Spleen            |                     | Depletion, Lymphoid     |
| Stomach           | Fundus              | Ulcer, Nos              |
| Testis            |                     | Interstitial-Cell Tumor |
|                   |                     | Mineralization          |
| Thyroid           |                     | Hyperplasia, C Cell     |
| Unspecified       | Multiple Organs Nos | Leukemia, Lymphocytic   |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|          |           |                                   |
|----------|-----------|-----------------------------------|
| Heart    |           | Degeneration, Nos                 |
| Kidney   |           | Nephropathy                       |
| Liver    |           | Clear-Cell Change                 |
|          | Bile Duct | Cytoplasmic Change, Basophilic    |
|          |           | Hyperplasia, Focal                |
|          |           | Inflammation, Granulomatous Focal |
| Lung     |           | Hyperplasia, Lymphoid             |
| Pancreas | Acinus    | Atrophy, Focal                    |
| Testis   |           | Interstitial-Cell Tumor           |
| Thyroid  |           | Hyperplasia, C Cell               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|               |                     |                         |
|---------------|---------------------|-------------------------|
| Heart         |                     | Degeneration, Nos       |
| Kidney        |                     | Nephropathy             |
| Liver         | Bile Duct           | Hyperplasia, Focal      |
|               | Centrilobular       | Necrosis, Focal         |
| Lung          | Bronchiole          | Hyperplasia, Lymphoid   |
| Mammary gland |                     | Dilatation, Ducts       |
| Pancreas      | Acinus              | Atrophy, Focal          |
| Testis        |                     | Interstitial-Cell Tumor |
| Thyroid       |                     | Hyperplasia, C Cell     |
| Unspecified   |                     | Fibroma                 |
|               | Multiple Organs Nos | Leukemia, Lymphocytic   |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                   |           |                                |
|-------------------|-----------|--------------------------------|
| Heart             |           | Degeneration, Nos              |
| Kidney            |           | Nephropathy                    |
| Liver             |           | Cytoplasmic Change, Basophilic |
|                   | Bile Duct | Hyperplasia, Focal             |
| Lung              |           | Hyperplasia, Lymphoid          |
| Mammary gland     |           | Dilatation, Ducts              |
| Pancreas          | Acinus    | Atrophy, Focal                 |
|                   |           | Periarteritis                  |
| Parathyroid gland |           | Hyperplasia, Nodular           |
| Testis            |           | Interstitial-Cell Tumor        |
| Thyroid           |           | Hyperplasia, C Cell            |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |                |                         |
|---------------|----------------|-------------------------|
| Heart         |                | Degeneration, Nos       |
| Kidney        |                | Nephropathy             |
| Liver         |                | Focal Cellular Change   |
|               | Bile Duct      | Hyperplasia, Focal      |
| Mammary gland |                | Dilatation, Ducts       |
|               | Mammary Acinus | Dilatation, Nos         |
| Testis        |                | Interstitial-Cell Tumor |
| Thyroid       |                | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Pheochromocytoma

Brain

Cerebellum Nos

Hemorrhage

Cerebrum

Hemorrhage

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Centrilobular

Necrosis, Diffuse

Pituitary gland

Hyperplasia, Chromophobe Cell

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|          |           |                             |
|----------|-----------|-----------------------------|
| Heart    |           | Degeneration, Nos           |
| Kidney   |           | Nephropathy                 |
| Liver    | Bile Duct | Hyperplasia, Focal          |
| Prostate |           | Inflammation, Acute/Chronic |
|          |           | Periarteritis               |
| Stomach  | Mucosa    | Cyst, Nos                   |
| Testis   |           | Interstitial-Cell Tumor     |
| Thyroid  |           | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |                       |                                   |
|----------|-----------------------|-----------------------------------|
| Brain    | Medulla Oblongata Nos | Granular-Cell Tumor, Nos          |
| Kidney   |                       | Nephropathy                       |
| Pancreas | Acinus                | Atrophy, Focal                    |
| Skin     |                       | Inflammation, Granulomatous Focal |
| Stomach  | Cardiac Stomach       | Ulcer, Acute                      |
| Testis   |                       | Interstitial-Cell Tumor           |
| Thymus   |                       | Atrophy, Diffuse                  |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |           |                                |
|----------|-----------|--------------------------------|
| Heart    |           | Degeneration, Nos              |
| Kidney   |           | Nephropathy                    |
| Liver    |           | Cytoplasmic Change, Basophilic |
|          | Bile Duct | Hyperplasia, Focal             |
| Pancreas | Islets    | Islet-Cell Adenoma             |
| Testis   |           | Interstitial-Cell Tumor        |
| Thyroid  |           | Hyperplasia, C Cell            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_011

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Pituitary gland

Testis

Thyroid

Metamorphosis, Fatty

Degeneration, Nos

Nephropathy

Clear-Cell Change

Dilatation, Ducts

Chromophobe Adenoma

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|               |                     |                         |
|---------------|---------------------|-------------------------|
| Brain         | Cerebellum Nos      | Hemorrhage              |
| Heart         |                     | Degeneration, Nos       |
| Kidney        |                     | Nephropathy             |
| Liver         | Centrilobular       | Necrosis, Diffuse       |
| Mammary gland |                     | Dilatation, Ducts       |
|               | Mammary Acinus      | Dilatation, Nos         |
| Testis        |                     | Interstitial-Cell Tumor |
| Unspecified   | Multiple Organs Nos | Leukemia, Lymphocytic   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|                 |                     |                                  |
|-----------------|---------------------|----------------------------------|
| Adrenal gland   | Cortex Nos          | Metamorphosis, Fatty             |
| Heart           |                     | Degeneration, Nos                |
| Intestine Small | Mesentery Nos       | Steatitis                        |
| Kidney          |                     | Nephropathy                      |
| Liver           | Bile Duct           | Hyperplasia, Focal               |
|                 | Centrilobular       | Necrosis, Focal                  |
| Lung            |                     | Hyperplasia, Alveolar Epithelium |
|                 | Bronchiole          | Hyperplasia, Nos                 |
| Stomach         | Fundus              | Ulcer, Nos                       |
| Testis          |                     | Interstitial-Cell Tumor          |
| Unspecified     | Head                | Fibrosarcoma                     |
|                 | Multiple Organs Nos | Leukemia, Lymphocytic            |

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Degeneration, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** C.I. Solvent yellow 14  
**CAS Number:** 842-07-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:32:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_015

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

|          |           |                         |
|----------|-----------|-------------------------|
| Heart    |           | Degeneration, Nos       |
| Kidney   |           | Nephropathy             |
| Liver    | Bile Duct | Hyperplasia, Focal      |
| Lung     |           | Hyperplasia, Lymphoid   |
| Pancreas |           | Dilatation, Ducts       |
| Testis   |           | Interstitial-Cell Tumor |
| Thyroid  |           | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                |
|-------------|---------------------|--------------------------------|
| Heart       |                     | Degeneration, Nos              |
| Kidney      |                     | Nephropathy                    |
| Liver       |                     | Clear-Cell Change              |
|             | Centrilobular       | Necrosis, Diffuse              |
| Testis      |                     | Hyperplasia, Interstitial Cell |
|             |                     | Interstitial-Cell Tumor        |
| Thyroid     | Follicle            | Cyst, Multilocular             |
| Trachea     |                     | Inflammation, Diffuse          |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic          |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Lung

Hyperplasia, Lymphoid

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain

Necrosis, Hemorrhagic

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |                     |                            |
|---------------|---------------------|----------------------------|
| Adrenal gland |                     | Pheochromocytoma           |
| Brain         | Meninges            | Hemorrhage                 |
| Heart         |                     | Degeneration, Nos          |
|               | Cardiac Valve       | Fibrosis, Multifocal       |
| Kidney        |                     | Nephropathy                |
| Liver         |                     | Degeneration, Cytologic    |
|               | Bile Duct           | Hyperplasia, Focal         |
| Lung          |                     | Inflammation, Interstitial |
| Pancreas      | Acinus              | Atrophy, Focal             |
| Testis        |                     | Interstitial-Cell Tumor    |
| Thyroid       |                     | Hyperplasia, C Cell        |
| Unspecified   | Multiple Organs Nos | Leukemia, Lymphocytic      |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_020

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

|                 |           |                               |
|-----------------|-----------|-------------------------------|
| Heart           |           | Degeneration, Nos             |
| Kidney          |           | Nephropathy                   |
| Liver           | Bile Duct | Hyperplasia, Focal            |
| Pituitary gland |           | Hyperplasia, Chromophobe Cell |
| Testis          |           | Interstitial-Cell Tumor       |
| Thyroid         |           | Hyperplasia, C Cell           |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                     |                         |
|-----------------|---------------------|-------------------------|
| Heart           |                     | Degeneration, Nos       |
| Kidney          | Tubule              | Cyst, Nos               |
|                 |                     | Nephropathy             |
| Liver           | Bile Duct           | Hyperplasia, Focal      |
| Lung            |                     | Hyperplasia, Lymphoid   |
| Preputial gland |                     | Carcinoma, Nos          |
| Testis          |                     | Interstitial-Cell Tumor |
| Thyroid         |                     | Hyperplasia, C Cell     |
| Unspecified     | Multiple Organs Nos | Leukemia, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|                 |                     |                                |
|-----------------|---------------------|--------------------------------|
| Adrenal gland   |                     | Pheochromocytoma               |
| Heart           |                     | Degeneration, Nos              |
| Kidney          | Tubule              | Pigmentation, Nos              |
| Liver           |                     | Cytoplasmic Change, Basophilic |
|                 | Bile Duct           | Hyperplasia, Focal             |
|                 | Centrilobular       | Necrosis, Focal                |
| Lung            |                     | Mesothelioma, Metastatic       |
| Pituitary gland |                     | Chromophobe Adenoma            |
| Prostate        |                     | Inflammation, Multifocal       |
| Spleen          | Red Pulp            | Hematopoiesis                  |
| Testis          |                     | Interstitial-Cell Tumor        |
| Thyroid         |                     | C-Cell Carcinoma               |
| Unspecified     | Multiple Organs Nos | Mesothelioma, Malignant        |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |            |                         |
|---------------|------------|-------------------------|
| Adrenal gland | Cortex Nos | Hyperplasia, Focal      |
| Heart         |            | Degeneration, Nos       |
| Kidney        |            | Nephropathy             |
| Liver         | Bile Duct  | Hyperplasia, Focal      |
| Lung          |            | Hyperplasia, Lymphoid   |
| Mammary gland |            | Fibroadenoma            |
| Pancreas      | Acinus     | Atrophy, Focal          |
| Testis        |            | Interstitial-Cell Tumor |
| Thyroid       |            | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Testis

Thyroid

Unspecified

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Degeneration, Nos

Nephropathy

Hyperplasia, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Testis

Degeneration, Nos

Nephropathy

Congestion, Passive

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Bile Duct

Testis

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Degeneration, Nos

Nephropathy

Tubular-Cell Adenoma

Clear-Cell Change

Hyperplasia, Focal

Neoplastic Nodule

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Lymphocytic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |        |                               |
|-----------------|--------|-------------------------------|
| Kidney          |        | Nephropathy                   |
| Liver           |        | Clear-Cell Change             |
| Pancreas        | Islets | Islet-Cell Adenoma            |
| Pituitary gland |        | Hyperplasia, Chromophobe Cell |
| Testis          | Tubule | Degeneration, Nos             |
|                 |        | Interstitial-Cell Tumor       |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|          |           |                                   |
|----------|-----------|-----------------------------------|
| Heart    |           | Degeneration, Nos                 |
| Kidney   |           | Nephropathy                       |
| Liver    | Bile Duct | Hyperplasia, Focal                |
| Pancreas | Acinus    | Atrophy, Focal                    |
|          |           | Inflammation, Granulomatous Focal |
| Testis   |           | Interstitial-Cell Tumor           |
| Thyroid  |           | Hyperplasia, C Cell               |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Bile Duct

Lung

Testis

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Degeneration, Nos

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|                 |                     |                         |
|-----------------|---------------------|-------------------------|
| Heart           |                     | Degeneration, Nos       |
| Kidney          |                     | Nephropathy             |
| Liver           | Centrilobular       | Necrosis, Diffuse       |
| Mammary gland   |                     | Dilatation, Ducts       |
| Preputial gland |                     | Adenoma, Nos            |
| Stomach         | Submucosa           | Cyst, Nos               |
| Testis          |                     | Interstitial-Cell Tumor |
| Thyroid         |                     | Hyperplasia, C Cell     |
| Unspecified     | Multiple Organs Nos | Leukemia, Lymphocytic   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos  
Pelvis

Necrosis, Fat  
Hyperplasia, Epithelial

Liver

Bile Duct

Nephropathy  
Pigmentation, Nos

Lung

Pleura Nos

Degeneration, Nos

Lymph node

Mesenteric Lymph Node

Hyperplasia, Nos

Mammary gland

Neoplastic Nodule

Pituitary gland

Inflammation, Chronic

Prostate

Depletion, Lymphoid

Testis

Hyperplasia, Cystic

Hemorrhage

Thyroid

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Lymphocytic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Pituitary gland

Hyperplasia, Chromophobe Cell

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |                     |                         |
|---------------|---------------------|-------------------------|
| Adrenal gland | Medulla             | Hyperplasia, Nodular    |
| Heart         |                     | Degeneration, Nos       |
| Kidney        |                     | Nephropathy             |
| Liver         | Bile Duct           | Hyperplasia, Focal      |
|               | Centrilobular       | Necrosis, Focal         |
| Lymph node    |                     | Hematopoiesis           |
|               | Renal Lymph Node    | Pigmentation, Nos       |
|               |                     | Plasmacytosis           |
| Mammary gland |                     | Dilatation, Ducts       |
|               |                     | Fibroadenoma            |
| Pancreas      | Acinus              | Atrophy, Diffuse        |
| Testis        |                     | Interstitial-Cell Tumor |
| Unspecified   | Multiple Organs Nos | Leukemia, Lymphocytic   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|               |                     |                          |
|---------------|---------------------|--------------------------|
| Heart         |                     | Degeneration, Nos        |
| Kidney        |                     | Nephropathy              |
| Liver         | Centrilobular       | Necrosis, Diffuse        |
| Mammary gland |                     | Dilatation, Ducts        |
|               | Mammary Acinus      | Dilatation, Nos          |
| Prostate      |                     | Inflammation, Multifocal |
| Testis        |                     | Interstitial-Cell Tumor  |
| Unspecified   | Multiple Organs Nos | Leukemia, Lymphocytic    |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                     |                                      |
|-----------------|---------------------|--------------------------------------|
| Heart           |                     | Degeneration, Nos                    |
|                 | Left Atrium Nos     | Thrombus, Mural                      |
| Intestine Small | Mucosa, Ileum       | Ulcer, Focal                         |
| Kidney          |                     | Nephropathy                          |
| Liver           | Bile Duct           | Hyperplasia, Focal                   |
| Mammary gland   |                     | Dilatation, Ducts                    |
|                 | Mammary Acinus      | Dilatation, Nos                      |
| Pancreas        | Acinus              | Atrophy, Focal                       |
| Pituitary gland |                     | Adenoma, Nos                         |
| Prostate        |                     | Inflammation, Multifocal             |
| Spleen          |                     | Hyperplasia, Lymphoid                |
| Testis          |                     | Interstitial-Cell Tumor              |
| Thyroid         |                     | C-Cell Carcinoma                     |
| Unspecified     | Multiple Organs Nos | Lymphoma, Histiocytic-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Lung

Hyperplasia, Lymphoid

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Granuloma, Foreign Body

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Lung

Hyperplasia, Lymphoid

Pancreas

Acinus

Atrophy, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                |
|-------------|---------------------|--------------------------------|
| Heart       |                     | Degeneration, Nos              |
|             | Left Atrium Nos     | Thrombus, Mural                |
| Kidney      |                     | Nephropathy                    |
| Liver       |                     | Cytoplasmic Change, Basophilic |
|             | Bile Duct           | Hyperplasia, Focal             |
|             |                     | Neoplastic Nodule              |
| Pancreas    | Acinus              | Atrophy, Focal                 |
| Testis      |                     | Interstitial-Cell Tumor        |
| Thyroid     |                     | Hyperplasia, C Cell            |
| Unspecified | Multiple Organs Nos | Leukemia, Nos                  |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                     |                                   |
|-----------------|---------------------|-----------------------------------|
| Heart           |                     | Degeneration, Nos                 |
| Intestine Small | Jejunum             | Inflammation, Acute/Chronic       |
| Kidney          |                     | Nephropathy                       |
| Liver           | Bile Duct           | Hyperplasia, Focal                |
|                 |                     | Inflammation, Granulomatous Focal |
|                 |                     | Neoplastic Nodule                 |
| Pancreas        | Islets              | Islet-Cell Adenoma                |
| Spleen          |                     | Inflammation, Granulomatous Focal |
| Testis          |                     | Interstitial-Cell Tumor           |
| Thyroid         |                     | Hyperplasia, C Cell               |
| Unspecified     | Multiple Organs Nos | Leukemia, Lymphocytic             |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Heart       |                     | Degeneration, Nos       |
| Kidney      |                     | Nephropathy             |
| Liver       | Bile Duct           | Hyperplasia, Focal      |
| Pancreas    | Acinus              | Atrophy, Focal          |
|             | Islets              | Islet-Cell Adenoma      |
| Testis      |                     | Interstitial-Cell Tumor |
| Thymus      |                     | Hemorrhage              |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Clear-Cell Change

Centrilobular

Congestion, Nos

Centrilobular

Necrosis, Diffuse

Lung

Hyperplasia, Lymphoid

Lymph node

Mandibular Lymph Node

Hemorrhage

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |                       |                                   |
|---------------|-----------------------|-----------------------------------|
| Heart         |                       | Degeneration, Nos                 |
| Kidney        |                       | Nephropathy                       |
| Liver         | Bile Duct             | Hyperplasia, Focal                |
|               | Centrilobular         | Necrosis, Diffuse                 |
|               |                       | Neoplastic Nodule                 |
| Lymph node    | Mesenteric Lymph Node | Inflammation, Granulomatous Focal |
| Mammary gland |                       | Dilatation, Ducts                 |
|               | Mammary Acinus        | Dilatation, Nos                   |
| Pancreas      | Acinus                | Atrophy, Focal                    |
| Prostate      |                       | Inflammation, Multifocal          |
| Testis        |                       | Interstitial-Cell Tumor           |
| Thyroid       |                       | Hyperplasia, C Cell               |
| Unspecified   | Multiple Organs Nos   | Leukemia, Lymphocytic             |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Degeneration, Nos

Cardiac Valve

Fibrosis, Multifocal

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|             |           |                             |
|-------------|-----------|-----------------------------|
| Bone marrow |           | Hyperplasia, Reticulum Cell |
| Heart       |           | Degeneration, Nos           |
| Kidney      |           | Nephropathy                 |
| Liver       | Bile Duct | Hyperplasia, Focal          |
| Lung        |           | Hyperplasia, Lymphoid       |
| Pancreas    | Acinus    | Atrophy, Focal              |
| Testis      |           | Interstitial-Cell Tumor     |
| Thyroid     |           | Hyperplasia, C Cell         |
| Unspecified |           | Fibroma                     |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|               |                     |                                |
|---------------|---------------------|--------------------------------|
| Adrenal gland | Cortex Nos          | Hyperplasia, Nodular           |
| Heart         |                     | Degeneration, Nos              |
| Kidney        |                     | Nephropathy                    |
| Liver         |                     | Cytoplasmic Change, Basophilic |
|               | Bile Duct           | Hyperplasia, Focal             |
| Pancreas      | Acinus              | Atrophy, Focal                 |
| Testis        |                     | Interstitial-Cell Tumor        |
| Thyroid       |                     | Hyperplasia, C Cell            |
| Unspecified   |                     | Fibroma                        |
|               | Multiple Organs Nos | Leukemia, Lymphocytic          |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Centrilobular

Necrosis, Nos

Pituitary gland

Chromophobe Adenoma

Prostate

Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|             |                 |                         |
|-------------|-----------------|-------------------------|
| Heart       |                 | Degeneration, Nos       |
| Kidney      |                 | Nephropathy             |
| Liver       | Centrilobular   | Necrosis, Focal         |
| Stomach     | Cardiac Stomach | Leiomyosarcoma          |
| Testis      |                 | Interstitial-Cell Tumor |
| Unspecified | Head            | Neurilemoma, Malignant  |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Focal

Lung

Hyperplasia, Lymphoid

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|             |                     |                                |
|-------------|---------------------|--------------------------------|
| Heart       |                     | Degeneration, Nos              |
|             | Cardiac Valve       | Fibrosis, Multifocal           |
| Kidney      |                     | Nephropathy                    |
| Liver       |                     | Cytoplasmic Change, Basophilic |
|             | Bile Duct           | Hyperplasia, Focal             |
| Testis      |                     | Interstitial-Cell Tumor        |
| Thyroid     |                     | C-Cell Carcinoma               |
|             |                     | Hyperplasia, C Cell            |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic          |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53929

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Solvent yellow 14

**CAS Number:** 842-07-9

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

**Time Report Requested:** 12:32:41

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

**Lab:** NA

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**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Mammary gland

Dilatation, Ducts

Spleen

Depletion, Lymphoid

Testis

Atrophy, Nos

Unspecified

Interstitial-Cell Tumor

Inflammation, Granulomatous Focal

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**PRIMARY CAUSE OF DEATH**

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