

Experiment Number: 91070 - 01
Test Type: 28-DAY
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 02/06/2018
Time Report Requested: 12:35:28
First Dose M/F: 01/31/12 / 02/01/12
Lab: BAT

PFOA_Final 1

NTP Study Number: C91070B
Lock Date: 04/25/2016
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 551

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
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Experiment Number: 91070 - 01

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Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 552

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow	Hypocellularity	Minimal
* Kidney	Nephropathy	Chronicprogr, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 553

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Nephropathy	Chronicprogr, Minimal
* Liver	Infiltration Cellular	Mixed Cell, Minimal
* Lung	Inflammation	Granulomatous, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

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Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 554

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

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CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 555

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Nephropathy	Chronicprogr, Minimal
* Liver	Infiltration Cellular	Mixed Cell, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

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CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 556

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Nephropathy	Chronicprogr, Minimal
* Lung	Inflammation	Histiocytic, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 557

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Liver
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 558

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Nephropathy	Chronicprogr, Minimal
* Liver	Infiltration Cellular	Mixed Cell, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 559

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|----------|-----------------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 560

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Liver
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

OBSERVATIONS

- * Kidney
- Nephropathy
- Chronicprogr, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 561

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 562

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 563

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 564

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 565

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Nose

Respirat Epith

Hyperplasia

Mild

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 566

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 567

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 568

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 569

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 570

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.625 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Stomach, Forestomach

Mucosa

Hyperplasia

Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 571

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Nose
Thymus

* Pancreas
* Thyroid Gland

Spleen

* Testes

OBSERVATIONS

Bone Marrow
* Kidney
* Liver

Hepatocyte

Angiectasis
Nephropathy
Cytoplasmic Alteration

Mild
Chronicprogr, Mild
Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 572

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Infiltration Cellular

Mixed Cell, Minimal

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 573

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 574

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 575

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Testes

Nose

Thymus

* Pancreas

* Thyroid Gland

Spleen

OBSERVATIONS

* Kidney

* Liver

Hepatocyte

Nephropathy

Cytoplasmic Alteration

Infiltration Cellular

Chronicprogr, Minimal

Minimal

Mixed Cell, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 576

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 577

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Testes

Nose

Thymus

* Pancreas

* Thyroid Gland

Spleen

OBSERVATIONS

* Kidney

* Liver

Hepatocyte

Hepatocyte

Nephropathy

Cytoplasmic Alteration

Hypertrophy

Infiltration Cellular

Chronicprogr, Minimal

Minimal

Minimal

Mixed Cell, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 578

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 579

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 580

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 1.25 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 581

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

* Kidney

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Mild

Hepatocyte

Hypertrophy

Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 582

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

Epididymis
Spleen

* Kidney
* Testes

Nose
Thymus

OBSERVATIONS

* Liver

Hepatocyte
Hepatocyte

Cytoplasmic Alteration
Hypertrophy

Mild
Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 583

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 584

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 585

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

Epididymis
Spleen

* Kidney
* Testes

Nose
Thymus

OBSERVATIONS

* Liver

Hepatocyte
Hepatocyte

Cytoplasmic Alteration
Hypertrophy

Minimal
Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 586

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Minimal
	Hepatocyte	Hypertrophy	Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 587

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Mild

* Thyroid GI

Note: One thyroid is missing.

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 588

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Minimal
	Hepatocyte	Hypertrophy	Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 589

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Epididymis

* Testes

Nose

Thymus

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Kidney

* Liver

Hepatocyte

Hepatocyte

Nephropathy

Cytoplasmic Alteration

Hypertrophy

Chronicprogr, Minimal

Minimal

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 590

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 2.5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Epididymis

* Testes

* Kidney

Thymus

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Mild

Hepatocyte

Hypertrophy

Mild

Nose

Respirat Epith

Hyperplasia

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 591

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 592

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

* Kidney

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Mild

Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 593

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Focal, Minimal
Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 594

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 595

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

MISSING

Intestine Large, Cecum

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Moderate
	Hepatocyte	Hypertrophy	Moderate
Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 596

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Nose	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

Bone Marrow		Hypocellularity	Minimal
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 597

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Nose	* Pancreas	Spleen
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

Bone Marrow		Hypocellularity	Minimal
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 598

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

Nose

* Thyroid Gland

* Pancreas

Spleen

OBSERVATIONS

Epididymis

Duct

Exfoliated Germ Cell

Mild

Hypospermia

Mild

Nephropathy

Chronicprogr, Minimal

* Kidney

* Liver

Hepatocyte

Cytoplasmic Alteration

Moderate

Hepatocyte

Hypertrophy

Moderate

* Testes

Germinal Epith

Degeneration

Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 599

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Mild

Hepatocyte

Hypertrophy

Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 600

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 5 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Epididymis

* Testes

Nose

Thymus

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Kidney

* Liver

Hepatocyte

Hepatocyte

Nephropathy

Cytoplasmic Alteration

Hypertrophy

Chronicprogr, Minimal

Moderate

Moderate

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 601

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Mild

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 602

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------|------------|------------------------|----------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 603

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Moderate
	Hepatocyte	Hypertrophy	Marked

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 604

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------|------------|------------------------|-----------------------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 605

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------|------------|------------------------|-----------------------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Moderate |
| | Hepatocyte | Hypertrophy | Moderate |
| | | Infiltration Cellular | Mixed Cell, Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 606

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-----------------|----------------|------------------------|-------------------------|
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Pancreas | | Infiltration Cellular | Mixed Cell, Minimal |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 607

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---------------|----------------|------------------------|-------------------------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 608

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------|----------------|------------------------|-------------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 609

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

INSUFFICIENT TISSUE

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|----------------|---------------------------|-------------------------|
| * Bone Marrow | | Hemorrhage | Minimal |
| | | Hypocellularity | Minimal |
| * Epididymis | Duct | Exfoliated Germ Cell | Mild |
| | | Hypospermia | Mild |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |
| | Sertoli Cell | Vacuolization Cytoplasmic | Minimal |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 610

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 10 mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1204844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Trachea | * Urinary Bladder |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-----------------|----------------|------------------------|---------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 611

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 612

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | |
|------------|--------------|-------------------------|
| * Pancreas | Inflammation | Chronic Active, Minimal |
|------------|--------------|-------------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 613

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 614

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|---------|-----------------------|---------------------|
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
|---------|-----------------------|---------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 615

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 616

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 617

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 618

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Lymph Node, Mesenteric

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 619

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 620

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 621

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 622

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
Thymus

* Kidney
* Pancreas
* Thyroid Gland

* Liver
Spleen

Nose
Stomach, Forestomach

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 623

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 624

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 625

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 626

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 627

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Infiltration Cellular

Mixed Cell, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 628

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 629

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
* Thyroid Gland

* Kidney
* Pancreas

* Liver
Spleen

Nose
Stomach, Forestomach

MISSING

Thymus

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 630

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 6.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 631

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 632

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Infiltration Cellular

Mixed Cell, Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 633

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 634

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
Thymus

* Kidney
* Pancreas
* Thyroid Gland

* Liver
Spleen

* Nose
Stomach, Forestomach

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 635

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

* Liver
Spleen

* Nose
Stomach, Forestomach

* Ovary
Thymus

OBSERVATIONS

* Kidney
Uterus

Nephropathy
Cyst

Chronicprogr, Minimal

[Cyst TGLs = 1 - 16]

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 636

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Clear Cell Focus

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 637

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

* Kidney
Spleen

* Liver
Stomach, Forestomach

* Ovary
Thymus

OBSERVATIONS

* Nose

Respirat Epith
Respirat Epith

Hyperplasia
Inflammation

Minimal
Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 638

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

* Kidney
Spleen

* Liver
Stomach, Forestomach

* Ovary
Thymus

MISSING

Parathyroid Gland

OBSERVATIONS

* Nose

Respirat Epith
Respirat Epith

Hyperplasia
Inflammation

Minimal
Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 639

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
Thymus

* Kidney
* Pancreas
* Thyroid Gland

* Liver
Spleen

* Nose
Stomach, Forestomach

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 640

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 12.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 641

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 642

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 643

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

* Kidney
Spleen

* Nose
Stomach, Forestomach

* Ovary
Thymus

MISSING

Intestine Large, Cecum

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 644

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Pancreas
* Thyroid Gland

* Kidney
Spleen

* Nose
Stomach, Forestomach

* Ovary
Thymus

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 645

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 646

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

* Kidney

Stomach, Forestomach

* Ovary

Thymus

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 647

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 648

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Nose

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 649

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Respirat Epith

Infiltration Cellular

Mixed Cell, Minimal

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 650

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 25 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Ovary

* Pancreas

Spleen

Stomach, Forestomach

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 651

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 652

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Kidney

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Bone Marrow

Hypocellularity

Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 653

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 654

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Mild

* Nose

Olfactory Epi

Degeneration

Moderate

Olfactory Epi

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 655

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Nose

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Infiltration Cellular

Mixed Cell, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 656

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

* Thyroid Gland

Olfactory Epi

Hyperplasia

Minimal

Follicular Cel

Hypertrophy

Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 657

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 658

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 659

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Mild

Olfactory Epi

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 660

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 50 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

* Ovary

* Pancreas

* Spleen

Stomach, Forestomach

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

* Nose

Olfactory Epi

Degeneration

Minimal

Olfactory Epi

Hyperplasia

Minimal

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 661

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

INSUFFICIENT TISSUE

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-----------------|----------------|------------------------|----------------------|
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Mild |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Hyperplasia | Moderate |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Mild |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 662

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Clitoral Gland
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thymus
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Kidney Nephropathy Chronicprogr, Minimal
- * Liver Hepatocyte Cytoplasmic Alteration Mild
- * Liver Hepatocyte Hypertrophy Mild
- * Nose Olfactory Epi Degeneration Minimal
- * Nose Respirat Epith Hyperplasia Mild
- * Nose Olfactory Epi Inflammation Suppurative, Minimal
- * Nose Respirat Epith Inflammation Chronic Active, Minimal
- * Thyroid Gland Follicular Cel Hypertrophy Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 663

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-----------------|----------------|------------------------|-------------------------|
| * Liver | Hepatocyte | Cytoplasmic Alteration | Moderate |
| | Hepatocyte | Hypertrophy | Moderate |
| * Lung | | Infiltration Cellular | Mixed Cell, Minimal |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 664

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 665

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------|----------------|------------------------|----------------------|
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Mild |
| * Lung | | Fibrosis | Focal, Minimal |
| | | Infiltration Cellular | Mixed Cell, Minimal |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Inflammation | Suppurative, Mild |
| | Respirat Epith | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 666

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-----------------|----------------|------------------------|-------------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Mild |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 667

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Mild
	Hepatocyte	Hypertrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 669

TRT#: 12

SEX: Female

DAY ON TEST: 8

DOSE: 100 mg/kg/d F

DISP: Natural Death

HISTO: 1204903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

INSUFFICIENT TISSUE

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|----------------|------------------------|-------------------------|
| * Bone Marrow | | Hypocellularity | Mild |
| * Kidney | Renal Tubule | Necrosis | Mild |
| | Renal Tubule | Regeneration | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Minimal |
| | Hepatocyte | Hypertrophy | Mild |
| * Lymph Node, Mesenteric | Lymphocyte | Apoptosis | Moderate |
| | | Atrophy | Mild |
| | | Infiltration Cellular | Histiocyte, Marked |
| * Nose | Olfactory Epi | Degeneration | Moderate |
| | Olfactory Epi | Inflammation | Suppurative, Mild |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Spleen | White Pulp | Atrophy | Marked |
| * Thymus | | Atrophy | Marked |
| * Thyroid Gland | Follicular Cel | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

ANIMAL ID: 670

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1204904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|------------------------|----------------|------------------------|-----------------------|
| * Esophagus | | Fibrosis | Mild |
| | | Inflammation | Histiocytic, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Minimal |
| | Hepatocyte | Hypertrophy | Minimal |
| * Nose | Olfactory Epi | Degeneration | Moderate |
| | Respirat Epith | Hyperplasia | Mild |
| | Olfactory Epi | Inflammation | Suppurative, Mild |
| | Respirat Epith | Inflammation | Chronic Active, Mild |
| * Stomach, Forestomach | Mucosa | Hyperplasia | Mild |
| * Thyroid Gland | Follicular Cel | Hypertrophy | Minimal |

*** END OF REPORT ***