

Experiment Number: 20615 - 01
Test Type: 28-DAY
Route: GAVAGE
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid
CAS Number: 335-76-2

Date Report Requested: 02/06/2018
Time Report Requested: 12:37:08
First Dose M/F: 02/07/12 / 02/08/12
Lab: BAT

PFDA_Final 1

NTP Study Number: C20615
Lock Date: 01/22/2016
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: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 851

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205029

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 | * Urinary Bladder | | |

OBSERVATIONS

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

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 852

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205030

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 | * Urinary Bladder | | |

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 853

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205031

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 | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|----------|-------------|--------------------|
| * Kidney | Nephropathy | Chronicprogr, Mild |
|----------|-------------|--------------------|

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 854

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205032

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	* 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	* Urinary Bladder	

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 855

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205033

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 |
| * Urinary Bladder | | | |

OBSERVATIONS

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

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 857

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * 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, 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 | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------|-----------------------------------|-----------------------|-----------------------|
| * Epididymis | | Granuloma Sperm | Moderate |
| | [Granuloma Sperm TGLs = 1 - 17] | | |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Infiltration Cellular | Mixed Cell, Minimal |
| * Nose | Respirat Epith | Degeneration | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Mild |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 858

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205036

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 | * Urinary Bladder | | |

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 859

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205037

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	* 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	* Urinary Bladder	

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 860

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * 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 |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------|----------------|----------------------|-------------------------|
| * Epididymis | Duct | Exfoliated Germ Cell | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Nose | Respirat Epith | Degeneration | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| | Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 861

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 862

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 863

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 864

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 865

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Respirat Epith

Nephropathy

Degeneration

Inflammation

Chronicprogr, Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 866

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	* Kidney	* Pancreas	Spleen
Stomach, Forestomach	Stomach, Glandular	* Testes	Thymus
* Thyroid Gland			

OBSERVATIONS

* Liver	Hepatocyte	Necrosis	Marked
Note: Hepatocyte necrosis likely a result of liver lobe torsion. [Necrosis TGLs = 1 - 17]			
Nose	Respirat Epith	Degeneration	Minimal
	Respirat Epith	Inflammation	Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 867

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Nephropathy

Inflammation

Chronicprogr, Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 868

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Respirat Epith

Nephropathy

Degeneration

Inflammation

Chronicprogr, Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 869

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 870

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 0.156mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Respirat Epith

Nephropathy

Degeneration

Inflammation

Chronicprogr, Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 871

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 872

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 873

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Respirat Epith

Respirat Epith

Nephropathy

Degeneration

Hyperplasia

Inflammation

Chronicprogr, Minimal

Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 874

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 875

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 876

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 877

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Respirat Epith

Respirat Epith

Nephropathy

Degeneration

Hyperplasia

Inflammation

Chronicprogr, Minimal

Minimal

Mild

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 878

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Thymus

* Kidney

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

OBSERVATIONS

Nose

Respirat Epith

Respirat Epith

Respirat Epith

Degeneration

Hyperplasia

Inflammation

Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 879

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

Nose

Respirat Epith

Degeneration

Minimal

Respirat Epith

Hyperplasia

Mild

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 880

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 0.312mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Stomach, Forestomach

* Thyroid Gland

* Liver

Stomach, Glandular

* Pancreas

* Testes

Spleen

Thymus

OBSERVATIONS

* Kidney

Nose

Respirat Epith

Respirat Epith

Respirat Epith

Nephropathy

Degeneration

Hyperplasia

Inflammation

Chronicprogr, Minimal

Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 881

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Kidney	Nose
* Pancreas	Spleen	Stomach, Forestomach	Stomach, Glandular
* Testes	Thymus	* Thyroid Gland	

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Minimal
	Hepatocyte	Necrosis	Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 882

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 883

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Thymus

Epididymis

Stomach, Forestomach

* Thyroid Gland

Nose

Stomach, Glandular

* Pancreas

* Testes

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

* Liver

Hepatocyte

Nephropathy

Cytoplasmic Alteration

Chronicprogr, Minimal

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 884

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Thymus

Epididymis

Stomach, Forestomach

* Thyroid Gland

Nose

Stomach, Glandular

* Pancreas

* Testes

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

* Liver

Hepatocyte

Nephropathy

Cytoplasmic Alteration

Chronicprogr, Minimal

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 885

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 886

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Spleen
Thymus

Epididymis
Stomach, Forestomach
* Thyroid Gland

* Kidney
Stomach, Glandular

* Pancreas
* Testes

OBSERVATIONS

* Liver

Nose

Hepatocyte

Respirat Epith

Respirat Epith

Respirat Epith

Cytoplasmic Alteration

Degeneration

Hyperplasia

Inflammation

Minimal

Minimal

Moderate

Chronic Active, Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 887

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Nose

* Pancreas

Spleen

Stomach, Forestomach

Stomach, Glandular

* Testes

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 888

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	* Pancreas	Spleen
Stomach, Forestomach	Stomach, Glandular	* Testes	Thymus
* Thyroid Gland			

OBSERVATIONS

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

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 889

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Thymus

Epididymis

Stomach, Forestomach

* Thyroid Gland

* Kidney

Stomach, Glandular

* Pancreas

* Testes

MISSING

Parathyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Nose

Respirat Epith

Degeneration

Minimal

Respirat Epith

Hyperplasia

Mild

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 890

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 0.625mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Thymus

Epididymis

Stomach, Forestomach

* Thyroid Gland

* Kidney

Stomach, Glandular

* Pancreas

* Testes

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Mild

Hepatocyte

Hypertrophy

Mild

Nose

Respirat Epith

Degeneration

Minimal

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Inflammation

Chronic Active, Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 891

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen
* Thyroid Gland

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Thymus

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte
Hepatocyte
* Testes
Interstit Cell

Nephropathy
Cytoplasmic Alteration
Hypertrophy
Vacuolization Cytoplasmic
Atrophy

Chronicprogr, Minimal
Marked
Moderate
Mild
Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 892

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen
* Thyroid Gland

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Testes

OBSERVATIONS

* Kidney

* Liver

* Thymus

Hepatocyte
Hepatocyte
Hepatocyte
Hepatocyte
Lymphocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy
Necrosis
Vacuolization Cytoplasmic
Apoptosis

Chronicprogr, Minimal
Marked
Moderate
Minimal
Mild
Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 893

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
* Pancreas
* Testes

* Epididymis
Spleen
* Thyroid Gland

* Kidney
* Stomach, Forestomach

Nose
* Stomach, Glandular

MISSING

Parathyroid Gland

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Marked
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Thymus	Lymphocyte	Apoptosis	Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 894

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
* Pancreas
* Thymus

* Epididymis
Spleen
* Thyroid Gland

* Kidney
* Stomach, Forestomach

Nose
* Stomach, Glandular

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Marked
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Testes	Interstit Cell	Atrophy	Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 895

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
* Pancreas
* Thyroid Gland

* Epididymis
Spleen

* Kidney
* Stomach, Forestomach

Nose
* Stomach, Glandular

MISSING

Parathyroid Gland

OBSERVATIONS

* Liver	Hepatocyte	Cytoplasmic Alteration	Marked
	Hepatocyte	Hypertrophy	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Testes	Interstit Cell	Atrophy	Mild
* Thymus	Lymphocyte	Apoptosis	Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 896

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Thyroid Gland

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte
Hepatocyte
Interstit Cell
Lymphocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy
Vacuolization Cytoplasmic
Atrophy
Apoptosis

Chronicprogr, Minimal
Marked
Moderate
Mild
Mild
Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 897

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte
Hepatocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy
Vacuolization Cytoplasmic

Chronicprogr, Minimal
Marked
Moderate
Mild

* Testes
* Thymus

Interstit Cell
Lymphocyte

Atrophy
Apoptosis

Mild
Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 898

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Thyroid Gland

MISSING

Preputial Gland

OBSERVATIONS

* Kidney

* Liver

* Testes

* Thymus

Hepatocyte

Hepatocyte

Interstit Cell

Lymphocyte

Nephropathy

Cytoplasmic Alteration

Hypertrophy

Atrophy

Apoptosis

Chronicprogr, Minimal

Marked

Moderate

Minimal

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 899

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Thyroid Gland

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte
Hepatocyte
* Testes
* Thymus

Nephropathy
Cytoplasmic Alteration
Hypertrophy
Vacuolization Cytoplasmic
Atrophy
Apoptosis

Chronicprogr, Minimal
Marked
Mild
Minimal
Minimal
Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 900

TRT#: 9

SEX: Male

DAY ON TEST: 29

DOSE: 1.25mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

* Epididymis
* Stomach, Forestomach

Nose
* Stomach, Glandular

* Pancreas
* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

* Liver

* Testes

* Thymus

Hepatocyte

Hepatocyte

Hepatocyte

Interstit Cell

Lymphocyte

Nephropathy

Cytoplasmic Alteration

Hypertrophy

Vacuolization Cytoplasmic

Atrophy

Apoptosis

Chronicprogr, Minimal

Marked

Marked

Mild

Minimal

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 901

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205079

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 |
| * Thyroid Gland | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|-----------------------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Testes | Interstit Cell | Atrophy | Minimal |
| * Thymus | | Atrophy | Moderate |

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 902

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205080

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, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Glandular | * Thyroid Gland | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|------------------------|----------------|---------------------------|-----------------------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Epididymis | Duct | Exfoliated Germ Cell | Marked |
| | | Hypospermia | Marked |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Mild |
| * Testes | Interstit Cell | Atrophy | Mild |
| | Germinal Epith | Degeneration | Marked |
| | Seminif Tub | Spermatid Retention | Moderate |
| * Thymus | | Atrophy | Marked |

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 903

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205081

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 | * Thymus | * Thyroid Gland | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Mild |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Testes | Interstit Cell | Atrophy | Minimal |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 904

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- * Bone Marrow
- * Epididymis
- * Liver
- * Stomach, Forestomach
- * Testes
- * Thymus
- Hypocellularity
- Exfoliated Germ Cell
- Cytoplasmic Alteration
- Hypertrophy
- Vacuolization Cytoplasmic
- Hyperplasia
- Inflammation
- Ulcer
- Atrophy
- Degeneration
- Spermatid Retention
- Atrophy
- Moderate
- Mild
- Marked
- Marked
- Mild
- Mild
- Mild
- Minimal
- Mild
- Minimal
- Mild
- Marked

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 905

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205083

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 | * Thyroid Gland | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------|----------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Stom Gland | | | |
| Note: [TGLS= 1-NCL] | | | |
| * Testes | Interstit Cell | Atrophy | Minimal |
| * Thymus | | Atrophy | Minimal |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 906

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205084

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 |
| * Thyroid Gland | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|-----------------------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | | Infiltration Cellular | Mixed Cell, Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| * Testes | Interstit Cell | Atrophy | Minimal |
| * Thymus | | Atrophy | Minimal |

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 907

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205085

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 |
| * Thyroid Gland | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Testes | Interstit Cell | Atrophy | Mild |
| * Thymus | | Atrophy | Minimal |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 908

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205086

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 | * 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 |
| * Thyroid Gland | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|---------------------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Epididymis | Duct | Exfoliated Germ Cell | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | | Infiltration Cellular | Mixed Cell, Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Marked |
| * Testes | Interstit Cell | Atrophy | Mild |
| | Germinal Epith | Degeneration | Minimal |
| | Seminif Tub | Spermatid Retention | Mild |
| * Thymus | | Atrophy | Marked |

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 909

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205087

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 | * 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 | * Thyroid Gland |

MISSING

- | | |
|---------------------|-------------------|
| * Parathyroid Gland | * Urinary Bladder |
|---------------------|-------------------|

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Epididymis | Duct | Exfoliated Germ Cell | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| * Testes | Interstit Cell | Atrophy | Mild |
| | Germinal Epith | Degeneration | Minimal |
| | Seminif Tub | Spermatid Retention | Minimal |
| * Thymus | | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 910

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 2.5mg/kg/d M

DISP: Terminal Sacrifice

HISTO: 1205088

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 | * Thyroid Gland | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------|----------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Marked |
| | Hepatocyte | Hypertrophy | Marked |
| | Hepatocyte | Vacuolization Cytoplasmic | Marked |
| * Testes | Interstit Cell | Atrophy | Minimal |
| * Thymus | | Atrophy | Marked |

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 911

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205089

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 | * 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 |
| * Nose | Respirat Epith | Inflammation | Chronic Active, Minimal |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 912

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205090

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 | * 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 |
| * Liver | | Infiltration Cellular | Mixed Cell, Minimal |
| * Lung | Interstitialium | Inflammation | Granulomatous, Minimal |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 914

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- * Kidney
- Nephropathy
- Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 915

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205093

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	* 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
* Liver	Infiltration Cellular	Mixed Cell, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 916

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205094

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

OBSERVATIONS

* Kidney		Nephropathy	Chronicprogr, Minimal
* Uterus	Bilateral	Dilation	Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 917

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205095

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Uterus	Bilateral	Dilation	Mild
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Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 918

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Liver | * 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

- | | | | |
|---------|------------|-----------------------|------------------|
| * Heart | Epicardium | Fibrosis | Minimal |
| | Epicardium | Infiltration Cellular | Mixed Cell, Mild |
| * Lung | Serosa | Fibrosis | Mild |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 919

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205097

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: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 920

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205098

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: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 921

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 922

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
* Thyroid Gland

* Kidney
* Pancreas

* Liver
Spleen

Nose
Thymus

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 923

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Spleen

* Liver
Thymus

* Ovary
* Thyroid Gland

* Pancreas

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney
Nose

Respirat Epith
Respirat Epith
Respirat Epith

Nephropathy
Degeneration
Hyperplasia
Inflammation

Chronicprogr, Minimal
Minimal
Mild
Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 924

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 925

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
* Thyroid Gland

* Kidney
* Pancreas

* Liver
Spleen

Nose
Thymus

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 926

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 927

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 928

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 929

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 930

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 0.156mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 931

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 932

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 933

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 934

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
* Thyroid Gland

* Kidney
* Pancreas

* Liver
Spleen

Nose
Thymus

OBSERVATIONS

Lymph Node

Mediastinal

Inflammation

Granulomatous, Marked

Note: Granulomatous inflammation admixed with feed material.

[Inflammation TGLs = 1 - 16]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 935

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 936

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 937

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 938

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 939

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 940

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 0.312mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 941

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 942

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 943

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
* Ovary
* Thyroid Gland

* Kidney
* Pancreas

* Liver
Spleen

Nose
Thymus

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 944

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 945

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 946

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 947

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Kidney

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 948

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

* Ovary

* Thyroid Gland

* Pancreas

Spleen

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney

* Liver

Nose

Hepatocyte

Respirat Epith

Nephropathy

Cytoplasmic Alteration

Inflammation

Chronicprogr, Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 949

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

* Liver

Nose

* Ovary

* Pancreas

Spleen

Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 950

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 0.625mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

* Ovary

* Thyroid Gland

* Pancreas

Spleen

OBSERVATIONS

* Kidney

* Liver

Nose

Hepatocyte

Respirat Epith

Nephropathy

Cytoplasmic Alteration

Inflammation

Chronicprogr, Minimal

Minimal

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 951

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

Nose
* Thymus

* Ovary
* Thyroid Gland

* Pancreas

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy

Chronicprogr, Minimal
Minimal
Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 952

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

Nose
* Thymus

* Ovary
* Thyroid Gland

* Pancreas

MISSING

Parathyroid Gland

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy

Chronicprogr, Minimal
Minimal
Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 953

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Ovary

* Pancreas

Spleen

* Thymus

* Thyroid Gland

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Infiltration Cellular

Mixed Cell, Minimal

Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 954

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

* Kidney
* Thymus

* Ovary
* Thyroid Gland

* Pancreas

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Nose

Respirat Epith

Inflammation

Chronic Active, Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 955

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

Nose
* Thymus

* Ovary
* Thyroid Gland

* Pancreas

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy

Chronicprogr, Minimal
Minimal
Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 956

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

Nose

* Ovary

* Pancreas

Spleen

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 957

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

Nose

* Ovary

* Pancreas

Spleen

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Mild

Hepatocyte

Hypertrophy

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 958

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow
Spleen

Nose
* Thymus

* Ovary
* Thyroid Gland

* Pancreas

OBSERVATIONS

* Kidney
* Liver

Hepatocyte
Hepatocyte

Nephropathy
Cytoplasmic Alteration
Hypertrophy

Chronicprogr, Minimal
Mild
Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 959

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

Nose

* Ovary

* Pancreas

Spleen

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Minimal

Hepatocyte

Hypertrophy

Minimal

Hepatocyte

Necrosis

Minimal

Hepatocyte

Vacuolization Cytoplasmic

Minimal

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 960

TRT#: 10

SEX: Female

DAY ON TEST: 29

DOSE: 1.25mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow

* Kidney

Nose

* Ovary

* Pancreas

Spleen

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Cytoplasmic Alteration

Mild

Hepatocyte

Hypertrophy

Mild

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 961

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * 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 | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---------------|--|---------------------------|-------------------------|
| * Bone Marrow | | Hypocellularity | Mild |
| * Heart | Epicardium | Inflammation | Granulomatous, Moderate |
| | Note: Inflammation admixed with food material. | | |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Minimal |
| | Hepatocyte | Hypertrophy | Moderate |
| | | Infiltration Cellular | Mixed Cell, Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Marked |
| * Thymus | | Atrophy | Minimal |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 962

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205140

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 |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------|------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Marked |
| * Thymus | | Atrophy | Marked |

[Atrophy TGLs = 1-6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 963

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205141

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 |
| * 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 | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------------|------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Minimal |
| | Hepatocyte | Hypertrophy | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Thymus | | Atrophy | Marked |
- [Atrophy TGLs = 1-6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 964

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205142

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 |
| * Kidney | * 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

- | | | | |
|---------------|------------|---------------------------|---------------------|
| * Bone Marrow | | Hypocellularity | Minimal |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| | | Infiltration Cellular | Mixed Cell, Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 965

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205143

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 |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 966

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205144

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 |
| * 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 | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------------|------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| | Hepatocyte | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Thymus | | Atrophy | Moderate |

[Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 967

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Eye | * Harderian Gland |
| * 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 | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|----------------|---------------------------|-------------------------|
| * Bone Marrow | | Hypocellularity | Mild |
| * Esophagus | Periesoph Tiss | Inflammation | Granulomatous, Moderate |
| Note: Inflammation admixed with food material. | | | |
| * Heart | Epicardium | Inflammation | Granulomatous, Mild |
| Note: Inflammation admixed with food material. | | | |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Minimal |
| | Hepatocyte | Hypertrophy | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Lung | Bronchiole | Inflammation | Granulomatous, Mild |
| Note: Inflammation admixed with food material. | | | |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 968

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205146

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 |
| * 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 | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------------------|------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Eye | | | |
| Note: Optic nerve is missing. | | | |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| | Hepatocyte | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Thymus | | Atrophy | Moderate |
| [Atrophy TGLs = 1 - 6] | | | |

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 969

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205147

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 |
| * 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 | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------------------|------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Mild |
| * Eye | | | |
| Note: Optic nerve is missing. | | | |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Mild |
| | Hepatocyte | Hypertrophy | Moderate |
| | Hepatocyte | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Thymus | | Atrophy | Mild |
- [Atrophy TGLs = 1 - 6]

Experiment Number: 20615 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 02/06/2018

Time Report Requested: 12:37:08

First Dose M/F: 02/07/12 / 02/08/12

Lab: BAT

ANIMAL ID: 970

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 2.5mg/kg/d F

DISP: Terminal Sacrifice

HISTO: 1205148

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 |
| * 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 | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------------|------------|---------------------------|----------|
| * Bone Marrow | | Hypocellularity | Moderate |
| * Liver | Hepatocyte | Cytoplasmic Alteration | Minimal |
| | Hepatocyte | Hypertrophy | Moderate |
| | Hepatocyte | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| * Thymus | | Atrophy | Marked |

[Atrophy TGLs = 1 - 6]

*** END OF REPORT ***