

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

C Number:	C61596B
Lock Date:	08/25/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	08/15/1995

Experiment Number: 05132-05

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Species/Strain: Rat/F 344/N

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Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

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Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20025
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Fibrosis Leukemia Mononuclear	Marked
[Fibrosis TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| * Lung | | Hemorrhage | Minimal |
| [Hemorrhage TGLS = 1-3] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20027
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 8,11-4+17]		
* Lymph Node, Mediastinal		Hemorrhage	Mild
	[Hemorrhage TGLS = 2-2]		
Mesentery		Mesothelioma Malignant	
* Pancreas	Acinus	Atrophy	Moderate
		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 3-15]		
* Spleen		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-12+16]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20027
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5,6-7]		Mesothelioma Malignant
[Mesothelioma Malignant TGLS = 4-7+14]		
* Thyroid Gland	C Cell	Carcinoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: CONTROL

DISP: Natural Death

HISTO: 20028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|--------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | |
|---------------------------|--------------------------|
| * Intestine Large, Rectum | * Intestine Small, Ileum |
|---------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| Eye | | Cataract | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Carcinoma | |
| [Carcinoma TGLS = 3,7-4] | | | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| Note: DARK KIDNEY DUE TO AUTOLYSIS | | | |
| * Larynx | | Mineralization | Minimal |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-4] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Natural Death	DAY ON TEST: 690 HISTO: 20028
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ORGAN AND ACCOUNTABLE SITE STATUS		
* Stomach, Forestomach [Necrosis TGLS = 8-8]	Necrosis	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 659
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 20030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Brain		Compression	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 5-12]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 659 HISTO: 20030
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
		Degeneration	Cystic, Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 8-12]		
	[Leukemia Mononuclear TGLS = 4,7-4+12]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14,1-7,10-6,2-2,9-13]		
	[Leukemia Mononuclear TGLS = 6-14,1-7,10-6,2-2,9-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14,1-7,10-6,2-2,9-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 20031
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 6-14,1-7,10-6,2-2,9-13]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-14,1-7,10-6,2-2,9-13]		Leukemia Mononuclear	
* Pancreas Acinus		Atrophy	Moderate
* Pituitary Gland Pars Distalis [Adenoma TGLS = 3-8]		Adenoma	
* Skin		Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 5-13]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 11,12-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-13]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 7-12]	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,3,4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 20032

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Thymus	* Thyroid Gland	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
		Mineralization	Marked
		[Mineralization TGLS = 4-4]	
		[Mineralization TGLS = 4-4]	
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Brain		Compression	
Eye	Retina	Atrophy	Minimal
	Cornea	Mineralization	Minimal
		[Mineralization TGLS = 5-11]	
* Heart		Cardiomyopathy	Mild
		Mineralization	Moderate
	Atrium	Thrombosis	
* Intestine Large, Colon		Mineralization	Moderate
		[Mineralization TGLS = 16-19]	
* Kidney		Nephropathy	Marked
		[Nephropathy TGLS = 13-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 721 HISTO: 20033
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ORGAN AND ACCOUNTABLE SITE STATUS

* Liver		Basophilic Focus Degeneration Eosinophilic Focus Fatty Change Hepatodiaphragmatic Nodule Necrosis	Cystic, Moderate Moderate Mild
	Centrilobular		
	[Degeneration TGLS = 15-14]		
	[Hepatodiaphragmatic Nodule TGLS = 14-13]		
	[Necrosis TGLS = 17-15]		
* Lung		Mineralization	Moderate
* Lymph Node, Mediastinal		Hemorrhage	Mild
	[Hemorrhage TGLS = 3-2]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 12-18]		
* Nose	Respirat Epith	Metaplasia	Squamous, Mild
	Note: SQUAMOUS METAPLASIA IN LEVEL I.		
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 2-7]		
* Skin		Basosquamous Tumor Benign Inflammation	Chronic Active, Moderate
	[Basosquamous Tumor Benign TGLS = 7,8-16+17]		
	[Inflammation TGLS = 9-12]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 10-4]		
* Stomach, Forestomach		Mineralization	Moderate
	[Mineralization TGLS = 1-8,18-8]		
* Stomach, Glandular		Mineralization	Marked
	[Mineralization TGLS = 1-8,18-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 721 HISTO: 20033
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ORGAN AND ACCOUNTABLE SITE STATUS		
* Testes [Atrophy TGLS = 11-7]	Atrophy	Moderate
* Trachea	Metaplasia Mineralization	Squamous, Moderate Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Mesentery	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 4-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 5-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1,2-11+12]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Necrosis	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Larynx		Mineralization	Minimal
* Liver		Fatty Change	Moderate
	Centrilobular	Necrosis	Minimal
[Fatty Change TGLS = 8,9,10,11-4+12+13]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Hemorrhage TGLS = 1-14]			
Mesentery		Inflammation	Suppurative, Moderate
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-15]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 6,12-8+16,13-8+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20035

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

[Necrosis TGLS = 6,12-8+16,13-8+16]

Necrosis

Moderate

* Testes

[Adenoma TGLS = 3,4-7]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Adenoma

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 12-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,1-7,2-2,6-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,1-7,2-2,6-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,1-7,2-2,6-12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,1-7,2-2,6-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,1-7,2-2,6-12]			
Mesentery		Inflammation	Suppurative, Moderate
	Fat	Necrosis	Moderate
[Necrosis TGLS = 9,10-15+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20036

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Mild
		Thrombosis	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-12]		
* Stomach, Forestomach		Acanthosis	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Necrosis TGLS = 14-13,15-14]		
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Moderate
	[Necrosis TGLS = 14-13,15-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 11-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 509

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 509

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20037

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-8]

* Spleen

Capsule

Fibrosis

Moderate

[Fibrosis TGLS = 2-12]

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-11+12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 14	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 20038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatocellular Adenoma TGLS = 4,7-13+12]	
		[Leukemia Mononuclear TGLS = 3-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-14]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-14]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-14]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20038

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-15]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-14]			
[Leukemia Mononuclear TGLS = 1-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Leukemia Mononuclear Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 20039

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3,4-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Regeneration	Moderate
		[Leukemia Mononuclear TGLS = 7-4]	
		[Regeneration TGLS = 8-12]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20040

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Neurofibroma	
	[Neurofibroma TGLS = 4-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Stomach, Forestomach		Acanthosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 4-4]			
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 7-12+14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20041

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-13+15]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Compression	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,8-4+12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 18	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20042
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 9-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-14]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thyroid Gland	C Cell C Cell	Adenoma Carcinoma	
[Carcinoma TGLS = 2-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 6-12]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-13]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20043

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Fibrosis

Marked

[Fibrosis TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 336

DOSE: CONTROL

DISP: Natural Death

HISTO: 20044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Larynx		Mineralization	Minimal
* Liver			
Note: TGL6-PALE FOCUS-IS POST MORTEM ARTIFACT. NO LESION.			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Thymus		Hemorrhage	Mild
[Hemorrhage TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Bronchial | * Lymph Node, Mediastinal |
| * Nose | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|----------------------|--------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| Eye | | Cataract | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| [Adenoma TGLS = 1-8] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20045

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Inflammation TGLS = 2-7]		Inflammation	Chronic Active, Moderate
* Skin [Squamous Cell Carcinoma TGLS = 5-12]		Squamous Cell Carcinoma	
* Spleen [Leukemia Mononuclear TGLS = 4,6-4]		Leukemia Mononuclear	
* Stomach, Forestomach		Infiltration Cellular	Mast Cell, Minimal
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-11]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20046

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hyperplasia TGLS = 5-4+12]			
[Mixed Cell Focus TGLS = 6-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20047

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: CONTROL

DISP: Natural Death

HISTO: 20048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10,11-1]		
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Mild
	[Hyperplasia TGLS = 7-4]		
	[Leukemia Mononuclear TGLS = 6-4]		
	[Regeneration TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: CONTROL

DISP: Natural Death

HISTO: 20048

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-8]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-13+14]			
* Stomach, Forestomach		Diverticulum	Mild
[Diverticulum TGLS = 13-8]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Prostate	* Seminal Vesicle	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-5]			
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
[Leukemia Mononuclear TGLS = 11-5]			
[Pheochromocytoma Malignant TGLS = 12-5]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 10-5]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 8,9,24-4+13+14]			
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20049

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-15,2-17,23-3,4-12,3-19,20-21,18-16,19-20]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 21-22]		
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Preputial Gland		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-24]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13,15-15+23]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Mild
	[Necrosis TGLS = 25-18]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20049

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 16,17-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 22-12]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

* Trachea

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,7-6]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,7-6]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,7-6]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,7-6]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 26	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 677 HISTO: 20050
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ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,8,9-12+13+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Compression	
[Compression TGLS = 3-1]			
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 10-5]			
* Liver		Eosinophilic Focus	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Galactocele	
[Galactocele TGLS = 1-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-14]			
Pharynx	Palate	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20051

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 14-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Developmental Malformation Leukemia Mononuclear	
[Developmental Malformation TGLS = 9-13]			
[Leukemia Mononuclear TGLS = 8-12+13]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 12,13-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 588

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-1]		
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 20-7+16]		
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10,11-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-3]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		
	[Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		
	[Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 588

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20052

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 18-14,19-14,4-2,19-15,5-3,16-13,3-18]		Leukemia Mononuclear	
* Pancreas Acinus		Atrophy Leukemia Mononuclear	Mild
* Skin Prepuce [Edema TGLS = 2-20] [Inflammation TGLS = 1-19]		Edema Inflammation	Mild Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 12,13-12]		Leukemia Mononuclear	
* Stomach, Forestomach [Leukemia Mononuclear TGLS = 17-8]		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 17-8]		Leukemia Mononuclear	
* Testes Bilateral, Interstit Cell [Adenoma TGLS = 14,15-7] [Mesothelioma Malignant TGLS = 21-7+17]		Adenoma Mesothelioma Malignant	
* Thymus [Leukemia Mononuclear TGLS = 6-2]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4,8-15+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-7]			
* Skin		Basosquamous Tumor Benign	
[Basosquamous Tumor Benign TGLS = 2-14]			
* Spleen		Developmental Malformation	
		Fibrosis	Mild
		Leukemia Mononuclear	
[Developmental Malformation TGLS = 7-12]			
[Fibrosis TGLS = 6-16]			
[Leukemia Mononuclear TGLS = 9-12]			
* Testes		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 29	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20053
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ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 5-7] * Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Pancreas	Acinus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20054

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 5-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20055

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 6-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Diverticulum	Mild
[Diverticulum TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild

Note: INFLAMMATION & HAIR IN LEVELS I AND II.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20057

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 4-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2,10-4+12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5,11-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-2]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Nephropathy TGLS = 6-5]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,7-13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,7-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,7-13]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20058

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2,7-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,7-13]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,8,9-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 5-3]			
* Lymph Node, Mandibular		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-2,1-7]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 2-2,1-7]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Developmental Malformation	
[Developmental Malformation TGLS = 3-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 686

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
		Thrombosis	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
* Nose		Thrombosis	
* Pituitary Gland	Pars Intermed	Adenoma	
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3,4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Larynx		Mineralization	Minimal
* Liver		Fatty Change	Mild
[Fatty Change TGLS = 3-4]	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 5-12]			
* Stomach, Forestomach		Necrosis	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 4-8]			
* Spleen		Developmental Malformation	
[Developmental Malformation TGLS = 1-4]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 39 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 733
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:** 20063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 3-4]			
[Degeneration TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-13]			
* Prostate		Inflammation	Chronic Active, Moderate
* Skin		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 20063

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 8-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	Mild
[Degeneration TGLS = 10-13]			
[Leukemia Mononuclear TGLS = 9-4]			
[Regeneration TGLS = 8-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20064

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 6,7-14]			
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Skin

INSUFFICIENT TISSUE

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20065

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Leukemia Mononuclear Metaplasia	Squamous, Minimal
Note: METAPLASIA & HYPERPLASIA FOCAL IN LEVEL II			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 4-7]			
[Mesothelioma Malignant TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-13]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-12]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4,1-2,9-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4,1-2,9-6]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4,1-2,9-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4,1-2,9-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 43	TRT#: 1	SEX: Male	DAY ON TEST: 591
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 20067

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 10-14]			
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,7-12+13]			
* Stomach, Forestomach		Necrosis	Minimal
* Stomach, Glandular		Necrosis	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 8-7]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: CONTROL

DISP: Natural Death

HISTO: 20068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
	[Hepatocellular Carcinoma TGLS = 3-12]		
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7,9-3,11-14,4,5-13+12]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7,9-3,11-14,4,5-13+12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7,9-3,11-14,4,5-13+12]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7,9-3,11-14,4,5-13+12]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,1-7,9-3,11-14,4,5-13+12]	
Mesentery	Fat	Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20069

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 10-15]

* Pancreas

Acinus

Atrophy

Marked

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3-8]

* Preputial Gland

Inflammation

Granulomatous, Marked

* Salivary Glands

Leukemia Mononuclear

* Seminal Vesicle

Leukemia Mononuclear

* Skin

Inflammation

Chronic Active, Mild

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 7-14]

[Leukemia Mononuclear TGLS = 6-14]

* Stomach, Forestomach

Leukemia Mononuclear

* Testes

Interstit Cell

Hyperplasia

Minimal

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-2]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 705

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|--------------------------|
| Blood | * Bone | * Brain | * Epididymis |
| * Esophagus | Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|------------|--|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Larynx | | Inflammation | Chronic Active, Minimal |
| | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 8-4] | |
| * Lung | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-3] | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-2,12-6] | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-2,12-6] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 705
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 20070

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 3-2,12-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 3-2,12-6]		Leukemia Mononuclear	
* Nose Note: FOREIGN BODY (HAIR) IN LEVEL II.		Inflammation	Suppurative, Mild
* Pancreas Acinus		Atrophy	Minimal
* Pituitary Gland Pars Distalis [Adenoma TGLS = 11-8]		Adenoma	
* Skin [Hyperkeratosis TGLS = 9,10-12+13]		Hyperkeratosis	Moderate
* Spleen [Leukemia Mononuclear TGLS = 6,7-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4,5-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland C Cell		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mediastinal	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-6]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-6]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20071

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 9-6]

Leukemia Mononuclear

* Pancreas

Acinus

Atrophy

Mild

* Spleen

[Leukemia Mononuclear TGLS = 6,7-12]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-7]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland	Duct	Ectasia	Moderate
[Ectasia TGLS = 2-7]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Tooth		Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 1-4]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Lymph Node, Mesenteric		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Spleen			
	Note: GROSSLY ENLARGED SPLEEN WITHIN NORMAL LIMITS ON HISTO.		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20073

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 525

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Minimal
* Pancreas	Duct	Concretion	Marked
[Concretion TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-7]			
* Pancreas	Acinus	Atrophy	Minimal
		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Interstitial Cell	Hyperplasia	Minimal
Tooth		Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 53

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 559

HISTO: 20077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Colon
- * Islets, Pancreatic
- * Lymph Node, Mediastinal
- * Preputial Gland
- * Skin
- * Thyroid Gland

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Rectum
- * Larynx
- * Lymph Node, Mesenteric
- * Prostate
- * Stomach, Forestomach
- * Trachea

- * Bone
- Eye
- * Intestine Small, Duodenum
- * Lymph Node, Bronchial
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Bone Marrow
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Seminal Vesicle
- * Thymus

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- * Brain

Compression
Leukemia Mononuclear

[Compression TGLS = 5-1]

- * Heart
- * Kidney
- * Liver

Cardiomyopathy
Nephropathy
Basophilic Focus
Hyperplasia
Leukemia Mononuclear

Mild
Mild

Bile Duct

[Leukemia Mononuclear TGLS = 7-4]

- * Lung

Hemorrhage
Leukemia Mononuclear

Minimal

[Leukemia Mononuclear TGLS = 1-3]

- * Pancreas
- * Pituitary Gland

Acinus
Pars Distalis

Atrophy
Adenoma

Mild

[Adenoma TGLS = 4-8]

- * Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 53	TRT#: 1	SEX: Male	DAY ON TEST: 559
	DOSE: CONTROL	DISP: Natural Death	HISTO: 20077

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 649

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Mild
[Carcinoma TGLS = 3-13]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 1,4-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------------|---------------------------|--------------------------------|----------------------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Hemorrhage | Minimal |
| [Hemorrhage TGLS = 1-3] | | | |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-8] | | | |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |
| [Inflammation TGLS = 2-11] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 489

DOSE: CONTROL

DISP: Natural Death

HISTO: 20080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 7-4]			
* Lung	Mediastinum	Mesothelioma Malignant	
		Thrombosis	
		Hemorrhage	Mild
* Lymph Node, Mediastinal			
[Hemorrhage TGLS = 2-2]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12+13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 9-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 489

DOSE: CONTROL

DISP: Natural Death

HISTO: 20080

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5,6-7]

[Mesothelioma Malignant TGLS = 3-7+11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Hemorrhage TGLS = 1-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-8]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 6-7+13]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-15]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20083

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 4-12]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 7-7+14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
	[Clear Cell Focus TGLS = 2-4]	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Lymph Node, Mediastinal		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-2]		
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 4-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Complex	Mild
[Pheochromocytoma Complex TGLS = 5-5]			
* Brain		Compression	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule Renal Tubule	Degeneration Hyperplasia Nephropathy	Mild Minimal Mild
* Larynx		Inflammation Mineralization	Chronic Active, Minimal Minimal
* Liver		Basophilic Focus Clear Cell Focus Degeneration Leukemia Mononuclear	Cystic, Minimal
[Leukemia Mononuclear TGLS = 6-4]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 201	TRT#: 3 DOSE: 156 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20445
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-7]	Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Compression	
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,2-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,2-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20446

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-2,2-7]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-7]			
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-7]			
* Testes	Interstitial Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
	[Hemorrhage TGLS = 1-3]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Moderate
		[Hepatocellular Adenoma TGLS = 9-4+13]	
		[Leukemia Mononuclear TGLS = 7-4]	
		[Regeneration TGLS = 6-17]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2]	
* Lymph Node, Mesenteric		Edema	Marked
		[Edema TGLS = 8-16]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20449

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-12]		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression	
Eye		Degeneration	Moderate
[Degeneration TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-7]			
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20450

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Congestion Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 4,6-4,12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLS = 9-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-3,2-7,12-6,8-12,13-2]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-3,2-7,12-6,8-12,13-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-3,2-7,12-6,8-12,13-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 207	TRT#: 3	SEX: Male	DAY ON TEST: 627
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20451

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 14-3,2-7,12-6,8-12,13-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-3,2-7,12-6,8-12,13-2]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 15-13]			
[Leukemia Mononuclear TGLS = 7-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 10-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 208

TRT#: 3
DOSE: 156 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 555
HISTO: 20452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 208	TRT#: 3	SEX: Male	DAY ON TEST: 555
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20452

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Developmental Malformation Leukemia Mononuclear
[Developmental Malformation TGLS = 2-13]		
[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6,5-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6,5-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6,5-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6,5-2]		
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20453

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,6-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 7-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
	[Nephropathy TGLS = 4-5]		
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 2-13]		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 210	TRT#: 3	SEX: Male	DAY ON TEST: 594
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20454

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-13+12,1-7,2-2]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-13+12,1-7,2-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-13+12,1-7,2-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-13+12,1-7,2-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20455

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7,8-13+12,1-7,2-2]

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 4-12]

* Testes	Bilateral, Interstit Cell	Adenoma	
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[Adenoma TGLS = 6-7]

* Thymus		Leukemia Mononuclear	
Tooth		Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 681

HISTO: 20456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-13]		
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20456

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 9-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 5,6-4+13]	
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 213	TRT#: 3	SEX: Male	DAY ON TEST: 716
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20457

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15,12-16,13-17,2-2,15-6]			
* Pancreas	Acinus	Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3,4-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 16-7]			
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 14-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 10,11-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 664

HISTO: 20458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Epididymis		Thrombosis	
[Thrombosis TGLS = 9-7]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2,7-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2,7-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 214	TRT#: 3	SEX: Male	DAY ON TEST: 664
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20458

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 8-2,7-14]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 8-2,7-14]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-2,7-14]		Leukemia Mononuclear	
* Pancreas Acinus		Atrophy	Mild
* Pituitary Gland [Thrombosis TGLS = 2-8]		Thrombosis	
* Spleen [Leukemia Mononuclear TGLS = 4-13]		Leukemia Mononuclear	
* Stomach, Glandular [Necrosis TGLS = 11-12]		Necrosis	Moderate
* Testes [Adenoma TGLS = 10-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 7-10]			
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 4-4]			
* Lung		Chordoma	Metastatic (Uncertain Primary Site)
	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 215	TRT#: 3	SEX: Male	DAY ON TEST: 698
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20459

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]			
* Preputial Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2,2-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2,2-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2,2-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2,2-7]		
* Pancreas	Acinus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 216	TRT#: 3	SEX: Male	DAY ON TEST: 659
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20460

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7,8-13+12]			
* Testes		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 9-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 529

DOSE: 156 PPM

DISP: Natural Death

HISTO: 20461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Marked
		[Leukemia Mononuclear TGLS = 4-4]	
		[Regeneration TGLS = 5,9,10-4+12]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20462

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Pancreas		Basophilic Focus	
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-15]			
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Stomach, Forestomach		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 581

HISTO: 20463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-12,5-13,1-2]		
	[Leukemia Mononuclear TGLS = 9-12,5-13,1-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-12,5-13,1-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 219	TRT#: 3	SEX: Male	DAY ON TEST: 581
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20463

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 7-14] [Leukemia Mononuclear TGLS = 6-13]		Fibrosis Leukemia Mononuclear	Moderate
* Testes [Adenoma TGLS = 8,10-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Note: DEGEN VERY MINIMAL; HARD TO SORT FROM NEPHROPATHY.			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
* Lung	Bile Duct	Hyperplasia	Minimal
		Hemorrhage	Minimal
			[Hemorrhage TGLS = 2-3]
* Lymph Node, Mediastinal		Hemorrhage	Mild
			[Hemorrhage TGLS = 1-2]
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
			[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 509

DOSE: 156 PPM

DISP: Natural Death

HISTO: 20465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------------------------|
| * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

INSUFFICIENT TISSUE

- * Pituitary Gland

OBSERVATIONS

- | | | |
|----------|------------------|---------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Minimal |
| * Larynx | Mineralization | Minimal |
| * Liver | Clear Cell Focus | |
| * Lung | Hemorrhage | Minimal |

[Hemorrhage TGLS = 2-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Pituitary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
[Cyst TGLS = 2,3-5+11]			
* Larynx		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 604

HISTO: 20467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8,9,10-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-14,1-7]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-14,1-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-14,1-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 604

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20467

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-14,1-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-14,1-7]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-13]			
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20468

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		[Hemorrhage TGLS = 1-3]	
		[Hyperplasia TGLS = 2-3]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 494

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---|----------------------------|---------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 7-1] | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-4] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-2,8-6] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-2,8-6] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| | [Adenoma TGLS = 3-8] | | |
| * Preputial Gland | | Carcinoma | |
| | [Carcinoma TGLS = 1-7+12] | | |
| * Spleen | | Developmental Malformation | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 494

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20470

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Developmental Malformation TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Stomach, Forestomach		Necrosis	Minimal
[Necrosis TGLS = 9-13]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 9-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Necrosis	Marked
	[Necrosis TGLS = 5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20471

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------------|---------------------------|-------------------------|-------------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Larynx | | Inflammation | Chronic Active, Minimal |
| | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Mixed Cell Focus | |
| [Clear Cell Focus TGLS = 5-4] | | | |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLS = 1,6-13+12] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2,3-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 229

TRT#: 3
DOSE: 156 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 20473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 4-4]			
[Mixed Cell Focus TGLS = 6-12]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20473

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-15]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 7-13]			
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 450

DOSE: 156 PPM

DISP: Natural Death

HISTO: 20474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Hemorrhage TGLS = 2-3]			
* Lym Node Mesen			
Note: TGL3-RED MESENTERIC LN-WAS NORMAL MICROSCOPICALLY.			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 5-5]	
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Marked
		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Angiectasis TGLS = 6-12]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 231	TRT#: 3 DOSE: 156 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 20475
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 4-13] [Leukemia Mononuclear TGLS = 3-13]		Fibrosis Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-2]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-2]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 6-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20476

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Stomach, Forestomach		Acanthosis Necrosis	Moderate Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 470

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-11]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 470

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20477

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 2-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1,7-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 664

HISTO: 20479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 10-7]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Degeneration TGLS = 2-4]			
[Hepatocellular Adenoma TGLS = 7-12]			
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235	TRT#: 3	SEX: Male	DAY ON TEST: 664
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20479

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 13-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-14]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 6,8,9,11-7]			
[Mesothelioma Malignant TGLS = 12-13]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 3-11]			
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Note: TGL2-PALE FOCUS-ARTIFACT OF BLOOD DISTRIBUTION;NO LESION.			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-3]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20480

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Nose		Atrophy	Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Parathyroid Gland		Adenoma	
* Testes	Bilateral, Interstit Cell		
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
[Clear Cell Focus TGLS = 3-4]			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hepatocholangioma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 6-12]			
[Hepatocholangioma TGLS = 4-15]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Basophilic Focus	
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-13+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20483

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 589

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 240	TRT#: 3	SEX: Male	DAY ON TEST: 589
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20484

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 10-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 5-4]			
[Hepatocellular Adenoma TGLS = 4-12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			
* Lymph Node, Mediastinal		Inflammation	Granulomatous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20485

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7,8-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Epididymis | * Esophagus | Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|--------------------------|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 11-1] | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Larynx | | Inflammation | Chronic Active, Minimal |
| | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Moderate |
| | Bile Duct | Hepatocellular Carcinoma | |
| | | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Hepatocellular Carcinoma TGLS = 9-12] | | |
| | [Leukemia Mononuclear TGLS = 8-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-3] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 10-15,2-3,1-7] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20486

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-15,2-3,1-7]

* Lymph Node, Mediastinal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15,2-3,1-7]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15,2-3,1-7]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

* Preputial Gland

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6,7-14+13]

* Stomach, Forestomach

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3,4-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-4]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hemorrhage	Minimal
	[Hemorrhage TGLS = 1-7]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 243	TRT#: 3	SEX: Male	DAY ON TEST: 711
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20487

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 9,10-12+13]			
[Leukemia Mononuclear TGLS = 8-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 616

HISTO: 20488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal	* Mammary Gland	* Thymus	
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20488

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 20489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
* Intestine Large, Cecum		Inflammation	Suppurative, Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Mild
	[Leukemia Mononuclear TGLS = 6-4]		
	[Regeneration TGLS = 11-13]		
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 3-12]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2,1-3,10-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20489

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-2,1-3,10-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2,1-3,10-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6,4-2,1-3]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 8-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
Tooth		Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 2-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Developmental Malformation	
		Infiltration Cellular	Lipocyte, Minimal
		Leukemia Mononuclear	
[Developmental Malformation TGLS = 8-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20490

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3,4,9-13+12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5,6-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: 156 PPM

DISP: Natural Death

HISTO: 20491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: 156 PPM

DISP: Natural Death

HISTO: 20491

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Harderian Gland		Hypertrophy	Minimal
[Hypertrophy TGLS = 5-18]			
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 4-13,8-14]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+19]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 9-17]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 248	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 156 PPM	DISP: Terminal Sacrifice	HISTO: 20492

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-8]			
* Preputial Gland		Adenoma	
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 6-4]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-16]			
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 7-8]			
* Preputial Gland		Carcinoma	
		Inflammation	Chronic Active, Mild
[Carcinoma TGLS = 2-7+13]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Fibrosis	Marked
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 5-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 249	TRT#: 3	SEX: Male	DAY ON TEST: 705
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20493

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 8-4]			
* Stomach, Glandular		Mineralization	Mild
		Necrosis	Mild
[Necrosis TGLS = 9-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

Eye

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Marked
		[Nephropathy TGLS = 8-5]	
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Marked
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-4]	
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20494

ORGAN AND ACCOUNTABLE SITE STATUS

		Mineralization	Mild
[Leukemia Mononuclear TGLS = 3-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-13]			
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-12]			
[Leukemia Mononuclear TGLS = 6-11]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 251

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 252

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		[Hemorrhage TGLS = 7-6]	
* Pancreas	Acinus	Atrophy	Minimal
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 252

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20496

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 6-8]

Pars Distalis

Adenoma

* Spleen

[Fibrosis TGLS = 8-13]
[Leukemia Mononuclear TGLS = 5-12]

Fibrosis
Leukemia Mononuclear

Mild

* Testes
[Adenoma TGLS = 2,3-7]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 253

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 351

HISTO: 20497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9,10-1]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Nose		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 253

TRT#: 3
DOSE: 156 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 351
HISTO: 20497

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-11]		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia Leukemia Mononuclear	Minimal
* Thymus		Leukemia Mononuclear	
* Urinary Bladder [Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 254

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
		Compression	
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Mild
* Islets, Pancreatic		Leukemia Mononuclear	
[Carcinoma TGLS = 9-13]		Carcinoma	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,6-16,5-5+15,7-2,8-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,6-16,5-5+15,7-2,8-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 254

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20498

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7,6-16,5-5+15,7-2,8-3]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-7,6-16,5-5+15,7-2,8-3]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 1-7,6-16,5-5+15,7-2,8-3]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4,10-13+14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 11-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland Tongue [Squamous Cell Papilloma TGLS = 2-12]	C Cell	Hyperplasia Squamous Cell Papilloma	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 255

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 156 PPM

DISP: Scheduled Sacrifice

HISTO: 20499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* 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	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-3]			
* Sem Ves			
Note: TGL3-SMALL SEM VES-NORMAL MICROSCOPICALLY;NO LESION.			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 256

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 700

HISTO: 20500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
		[Thrombosis TGLS = 1-12]	
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Carcinoma	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 8-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 256

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20500

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 4-14]	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 4-14]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 4-14]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 4-14]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland [Adenoma TGLS = 7-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 5-13]		Fibrosis Leukemia Mononuclear	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 257

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-4]			
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Minimal
* Pancreas	Acinus	Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Mild
[Adenoma TGLS = 4-12]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 257

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20501

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 258

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 592

HISTO: 20502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | Eye |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Seminal Vesicle | * Skin |
| * Thymus | * Trachea | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------------------|-----------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 13-5] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 13-5] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 18-1] | | | |
| * Heart | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-4] | | Schwannoma Nos | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-6] | | | |
| * Kidney | | Infarct | Marked |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| [Infarct TGLS = 16-5] | | | |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-4] | | | |
| * Lung | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 258	TRT#: 3	SEX: Male	DAY ON TEST: 592
	DOSE: 156 PPM	DISP: Moribund Sacrifice	HISTO: 20502

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Axillary	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 19-2,2,3-14+15,15-13,14-16,1-7]		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 11-13]		
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 17-12]		
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 8,9-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 259

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Mild
[Degeneration TGLS = 11-12]			
[Leukemia Mononuclear TGLS = 3,4-4]			
[Regeneration TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-2]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 259

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 156 PPM

DISP: Moribund Sacrifice

HISTO: 20503

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 260

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 156 PPM

DISP: Terminal Sacrifice

HISTO: 20504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Larynx	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye	Cornea	Leukemia Mononuclear	
* Heart		Inflammation	Chronic Active, Minimal
		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
		Inflammation	Chronic Active, Minimal
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney	Renal Tubule	Carcinoma	
		Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Angiectasis TGLS = 7-16]			
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 260

TRT#: 3

DOSE: 156 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20504

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-2,3-15,10-3,13-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,3-15,10-3,13-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,3-15,10-3,13-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,3-15,10-3,13-7]			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Marked
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 1-12+13]			
* Stomach, Forestomach		Diverticulum	Minimal
[Diverticulum TGLS = 14-8]			
* Testes		Atrophy	Marked
[Atrophy TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
	Transit Epithe	Leukemia Mononuclear	
		Papilloma	
[Hyperplasia TGLS = 12-8]			
[Papilloma TGLS = 11-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 617

HISTO: 20325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hepatocellular Carcinoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Degeneration TGLS = 10-12]		
	[Eosinophilic Focus TGLS = 11-13]		
	[Hepatocellular Carcinoma TGLS = 6-4]		
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,9-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,1-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,1-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 4

SEX: Male

DAY ON TEST: 617

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20325

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2,1-7]

* Pancreas	Acinus	Atrophy Basophilic Focus Hyperplasia	Mild
* Preputial Gland		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	Chronic Active, Minimal

[Leukemia Mononuclear TGLS = 4-14]

* Testes	Bilateral, Interstit Cell	Adenoma	
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[Adenoma TGLS = 7,8-7]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Mesothelioma Malignant	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mesothelioma Malignant	
	[Leukemia Mononuclear TGLS = 8-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,9-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20326

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2,9-3]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,9-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12+16]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-14]			
* Pancreas		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
		Mesothelioma Malignant	
[Fibrosis TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 5-13]			
* Stomach, Forestomach		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 453

HISTO: 20327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 3-4]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 8-3]		
* Lymph Node, Mediastinal		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-3]		
* Pancreas		Basophilic Focus	
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-8]		
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 403	TRT#: 4	SEX: Male	DAY ON TEST: 453
	DOSE: 312 PPM	DISP: Scheduled Sacrifice	HISTO: 20327

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-7]

* Sem Ves

Note: TGL 7-FIRM PALE-NORMAL ON MICRO EXAM.

* Skin

Subcut Tiss

Inflammation

Chronic Active, Moderate

Sarcoma

[Sarcoma TGLS = 6-11]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Serosa	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
Note: TGL3-PALE FOCUS- WAS ARTIFACT OF BLOOD DISTRIBUTION. [Fibrosis TGLS = 1-11]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen	Capsule	Fibrosis	Mild
Note: CAPSULAR FIBROSIS = ADHESION TO LIVER [Fibrosis TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 404

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20328

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Compression	
Eye		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-12]			
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Degeneration TGLS = 1,2-14+15]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 405	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20329

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland [Carcinoma TGLS = 7-2]	C Cell	Carcinoma
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 406

TRT#: 4

SEX: Male

DAY ON TEST: 677

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 6-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-7,9-6,8-16,7-15]		
	[Leukemia Mononuclear TGLS = 11-7,9-6,8-16,7-15]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-7,9-6,8-16,7-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 4

SEX: Male

DAY ON TEST: 677

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20330

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 11-7,9-6,8-16,7-15]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 11-7,9-6,8-16,7-15]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 11-7,9-6,8-16,7-15]		Leukemia Mononuclear	
Mesentery	Fat	Hemorrhage	Mild
	Fat	Necrosis	Mild
[Hemorrhage TGLS = 10-13]			
[Necrosis TGLS = 5-14]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 4

SEX: Male

DAY ON TEST: 617

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-14]		
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 4

SEX: Male

DAY ON TEST: 617

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20331

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
[Ectasia TGLS = 8-7]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 4,6-12+13]			
* Stomach, Forestomach		Acanthosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 4

SEX: Male

DAY ON TEST: 726

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal	* Mammary Gland
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel	Aorta	Leukemia Mononuclear	
* Bone	Cranium	Mineralization	Mild
	Femur	Fibrous Osteodystrophy	
* Bone Marrow		Fibrous Osteodystrophy	
Eye	Retina	Leukemia Mononuclear	
	Cornea	Atrophy	Minimal
* Heart		Mineralization	Minimal
		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Leukemia Mononuclear	
		Degeneration	Moderate
		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		Mineralization	Mild
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 4

SEX: Male

DAY ON TEST: 726

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20332

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-13]			
[Leukemia Mononuclear TGLS = 5-12]			
* Stomach, Forestomach		Diverticulum	Mild
[Diverticulum TGLS = 4-8]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 4

SEX: Male

DAY ON TEST: 576

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	
		Hemorrhage	Mild
[Compression TGLS = 7-1]			
[Hemorrhage TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 4

SEX: Male

DAY ON TEST: 576

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20333

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 3-4]			
* Kidney	Renal Tubule	Degeneration Leukemia Mononuclear Nephropathy	Moderate Marked
[Nephropathy TGLS = 5-5]			
* Larynx		Inflammation Mineralization	Chronic Active, Minimal Minimal
* Liver		Basophilic Focus Clear Cell Focus Degeneration Hepatocellular Adenoma Hepatocellular Carcinoma	Cystic, Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear Mixed Cell Focus	Mild
[Hepatocellular Adenoma TGLS = 9-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 410	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20334

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Carcinoma TGLS = 4-12+15]			
[Leukemia Mononuclear TGLS = 2-4]			
[Mixed Cell Focus TGLS = 10-17]			
* Lung	Alveolar Epith	Hepatocellular Carcinoma Hyperplasia Leukemia Mononuclear	Metastatic (Liver) Marked
[Hyperplasia TGLS = 8-13]			
* Pancreas	Acinus	Adenoma	
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 4

SEX: Male

DAY ON TEST: 688

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 4

SEX: Male

DAY ON TEST: 688

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20335

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell C Cell	Carcinoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 4

SEX: Male

DAY ON TEST: 616

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,7-4+12]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,8-13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,8-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,8-13]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,8-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 4

SEX: Male

DAY ON TEST: 616

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20336

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 1-2,8-13]

Leukemia Mononuclear

* Pancreas

Acinus

Atrophy

Minimal

* Spleen

[Leukemia Mononuclear TGLS = 4-13]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5,6-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 4

SEX: Male

DAY ON TEST: 674

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 413

TRT#: 4

SEX: Male

DAY ON TEST: 674

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20337

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 414 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 632
DOSE: 312 PPM **DISP:** Moribund Sacrifice **HISTO:** 20338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13,2-2,5-12+14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13,2-2,5-12+14]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13,2-2,5-12+14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13,2-2,5-12+14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 4

SEX: Male

DAY ON TEST: 632

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20338

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Hyperplasia TGLS = 3-8]	Pars Distalis	Hyperplasia	Mild
* Skin [Neurofibrosarcoma TGLS = 1-15]	Subcut Tiss	Neurofibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 6-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 7-7] [Atrophy TGLS = 8-7]	Interstit Cell	Adenoma Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 4

SEX: Male

DAY ON TEST: 575

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye		Degeneration	Moderate
[Degeneration TGLS = 2-11]			
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 415	TRT#: 4	SEX: Male	DAY ON TEST: 575
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20339

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 4

SEX: Male

DAY ON TEST: 413

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|--|----------------------|-----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Degeneration | Minimal |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 8-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-11] | | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-13,7-16,2-2,1-14] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-13,7-16,2-2,1-14] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-13,7-16,2-2,1-14] | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 4

SEX: Male

DAY ON TEST: 413

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20340

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-13,7-16,2-2,1-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13,7-16,2-2,1-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Infiltration Cellular	Mast Cell, Mild
		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mediastinal	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Meningioma Nos	
[Meningioma Nos TGLS = 5-16]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	
	Bile Duct	Hepatocellular Adenoma	Multiple
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Degeneration TGLS = 3,7-13+14]			
[Leukemia Mononuclear TGLS = 4,6-4+12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7,9-5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 417	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20341

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-7,9-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7,9-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7,9-5]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,8-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 4

SEX: Male

DAY ON TEST: 581

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 4

SEX: Male

DAY ON TEST: 581

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20342

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5,6-14+15]			
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-12+13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Eye		Degeneration	Moderate
[Degeneration TGLS = 1-11]			
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatocellular Carcinoma TGLS = 6-4]			
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-3]			
[Leukemia Mononuclear TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20344

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 9-13]	Pancreatic	Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 10,13-14+12]	Fat	Necrosis	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 8-13] [Leukemia Mononuclear TGLS = 7-13]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes [Adenoma TGLS = 11,12-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLS = 7-14]		
	[Hepatocellular Carcinoma TGLS = 6-13]		
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20345

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Inflammation

Chronic Active, Minimal

* Spleen

Fibrosis

Moderate

Leukemia Mononuclear

[Fibrosis TGLS = 3,4,5-12+4]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,2-7]

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Marked
* Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Oncocytic, Minimal
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Degeneration TGLS = 5-4]			
[Hepatocellular Adenoma TGLS = 4-12,5-4]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 422	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20346

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 663

HISTO: 20347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Mild
	Pelvis	Dilatation	Mild
		Nephropathy	Mild
	[Dilatation TGLS = 8-5]		
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
	[Basophilic Focus TGLS = 9,10-4]		
	[Hepatocellular Carcinoma TGLS = 11-15]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Moderate
	[Inflammation TGLS = 5-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 423	TRT#: 4	SEX: Male	DAY ON TEST: 663
	DOSE: 312 PPM	DISP: Natural Death	HISTO: 20347

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Hemorrhage TGLS = 2-12]		Hemorrhage	Moderate
* Testes [Adenoma TGLS = 7,12-7]	Bilateral, Interstit Cell	Adenoma	
* Urinary Bladder [Inflammation TGLS = 4,6-13]		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 424	TRT#: 4	SEX: Male	DAY ON TEST: 664
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Degeneration TGLS = 5-13]		
	[Hepatocellular Carcinoma TGLS = 2-4]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 424	TRT#: 4	SEX: Male	DAY ON TEST: 664
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20348

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
* Skin [Fibrosarcoma TGLS = 1-12]	Subcut Tiss	Fibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 6-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 8-5]		
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
	[Angiectasis TGLS = 7-13]		
	[Degeneration TGLS = 6-12]		
	[Hepatocellular Carcinoma TGLS = 5-14]		
* Mammary Gland		Galactocele	
	[Galactocele TGLS = 1,2-18+17]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 11-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20349

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-8]		
* Skin		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 10-16]		
* Stomach, Forestomach		Acanthosis	Marked
	[Acanthosis TGLS = 12-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3,4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 4

SEX: Male

DAY ON TEST: 631

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatocellular Carcinoma TGLS = 2-12]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 4

SEX: Male

DAY ON TEST: 631

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20350

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 4

SEX: Male

DAY ON TEST: 621

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 4

SEX: Male

DAY ON TEST: 621

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20351

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Preputial Gland		Adenoma Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 2-14+15]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 7-13]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20352

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-12]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 1-14]			
[Leukemia Mononuclear TGLS = 6-13]			
* Testes	Interstitial Cell	Adenoma Atrophy	Moderate
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* 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	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Hemorrhage	Mild
* Lymph Node, Mediastinal			
[Hemorrhage TGLS = 1-2]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Marked
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Thrombosis	
		[Hepatocellular Adenoma TGLS = 6-12]	
		[Leukemia Mononuclear TGLS = 2-4]	
		[Thrombosis TGLS = 1-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20355

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-4]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3,4-7]	Bilateral, Interstit Cell	Adenoma	
Tooth		Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 4

SEX: Male

DAY ON TEST: 693

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye		Degeneration	Moderate
[Degeneration TGLS = 1-11]			
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 4

SEX: Male

DAY ON TEST: 693

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20356

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Preputial Gland [Hyperplasia TGLS = 7-12]		Hyperplasia	Mild
* Spleen [Fibrosis TGLS = 8-14] [Leukemia Mononuclear TGLS = 4-13]		Fibrosis Leukemia Mononuclear	Moderate
* Testes [Adenoma TGLS = 5,6-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 4

SEX: Male

DAY ON TEST: 564

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-12]			
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 20358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | Eye | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------|---------------|--|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Renal Tubule | Degeneration | Mild |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| | | [Nephropathy TGLS = 2-5] | |
| * Liver | | Degeneration | Cystic, Moderate |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | | [Degeneration TGLS = 8-13] | |
| | | [Leukemia Mononuclear TGLS = 7-4] | |
| * Lung | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 1-3+12] | |
| * Parathyroid Gland | | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20358

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Leukemia Mononuclear

Chronic Active, Minimal

* Spleen

Inflammation

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3,4-14+15]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5,6-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 6-5]		
* Liver		Degeneration	Cystic, Moderate
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Degeneration TGLS = 10-13]		
	[Hepatocellular Carcinoma TGLS = 9-4]		
	[Leukemia Mononuclear TGLS = 8,11-4+13]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14,5-6,1-2]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14,5-6,1-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20359

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 7-14,5-6,1-2]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 7-14,5-6,1-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-14,5-6,1-2]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-12+15]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2,3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 436

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Marked
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
	[Degeneration TGLS = 2,3,7,8-14+15]		
	[Hepatocellular Adenoma TGLS = 4,7-4+12+14]		
	[Hepatodiaphragmatic Nodule TGLS = 1-13]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20360

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 4

SEX: Male

DAY ON TEST: 691

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone	Sternum	Developmental Malformation	
		Hyperostosis	
	[Developmental Malformation TGLS = 3-12]		
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 6,13-4+13]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 4

SEX: Male

DAY ON TEST: 691

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20361

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 4-2,12-3,2-7,10-6]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 4-2,12-3,2-7,10-6]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 4-2,12-3,2-7,10-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 4-2,12-3,2-7,10-6]		Leukemia Mononuclear	
Mesentery [Hemorrhage TGLS = 8-15]	Fat	Hemorrhage	Mild
* Pancreas	Acinus	Atrophy Leukemia Mononuclear	Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Salivary Glands		Leukemia Mononuclear	
* Skin [Inflammation TGLS = 1-14]		Inflammation	Chronic Active, Moderate
* Spleen [Fibrosis TGLS = 7-4]		Fibrosis Leukemia Mononuclear	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 9-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 11-2]		Leukemia Mononuclear	
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438

TRT#: 4

SEX: Male

DAY ON TEST: 658

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 2-13]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 438

TRT#: 4

SEX: Male

DAY ON TEST: 658

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20362

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 4

SEX: Male

DAY ON TEST: 538

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Preputial Gland		Adenoma	
		Carcinoma	
[Adenoma TGLS = 6-7]			
[Carcinoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 440	TRT#: 4	SEX: Male	DAY ON TEST: 614
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6,1-2,5-12]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6,1-2,5-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6,1-2,5-12]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6,1-2,5-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 4

SEX: Male

DAY ON TEST: 614

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20364

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-6,1-2,5-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-13]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7,9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
		[Hyperplasia TGLS = 2-3]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1,3-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 4

SEX: Male

DAY ON TEST: 547

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-12]		
* Spleen		Developmental Malformation	
	[Developmental Malformation TGLS = 4-4]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 4

SEX: Male

DAY ON TEST: 547

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20366

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-4]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Stomach, Forestomach		Diverticulum	Mild
[Diverticulum TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2,6-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20367

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 4

SEX: Male

DAY ON TEST: 632

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland	Bilateral	Carcinoma	
		[Carcinoma TGLS = 1,5-12]	
* Spleen	Capsule	Fibrosis	Mild
		[Fibrosis TGLS = 4-4]	
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Minimal
		[Adenoma TGLS = 2,3-7]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 4

SEX: Male

DAY ON TEST: 627

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Moderate
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,9-14+12]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,9-14+12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20370

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,9-14+12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,9-14+12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,9-14+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-13]			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 4

SEX: Male

DAY ON TEST: 635

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-3]		
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,9-6,1-7]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,9-6,1-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,9-6,1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 4

SEX: Male

DAY ON TEST: 635

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20371

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,9-6,1-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2,9-6,1-7]		
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 5-8]		
* Skin		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,10-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 8-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 4

SEX: Male

DAY ON TEST: 674

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Compression	
[Compression TGLS = 4-1]			
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-7]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 448

TRT#: 4

SEX: Male

DAY ON TEST: 674

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20372

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 4

SEX: Male

DAY ON TEST: 559

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 9-5]			
* Liver	Bile Duct	Fatty Change	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3,10-6,2-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3,10-6,2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 449	TRT#: 4	SEX: Male	DAY ON TEST: 559
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20373

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-3,10-6,2-2]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 6-7]			
* Skin		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
Skeletal Muscle	* Spleen	* Thymus	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Marked
		Mineralization	Moderate
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
Eye	Cornea	Mineralization	Minimal
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Intestine Large, Colon		Mineralization	Moderate
[Mineralization TGLS = 13-6+14]			
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Renal Tubule	Degeneration	Moderate
		Mineralization	Marked
		Nephropathy	Marked
[Carcinoma TGLS = 5-5]			
[Nephropathy TGLS = 4-5]			
* Larynx		Metaplasia	Squamous, Mild
		Mineralization	Mild
* Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	
		Fatty Change	Mild
		Mixed Cell Focus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20374

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 6,7-13+4]			
* Lung		Mineralization	Marked
[Mineralization TGLS = 2-3]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-16]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 3-8]			
* Seminal Vesicle		Mineralization	Moderate
* Skin	Subcut Tiss	Neurofibroma	
[Neurofibroma TGLS = 1-12]			
* Stomach, Forestomach		Mineralization	Moderate
[Mineralization TGLS = 12-8+15]			
* Stomach, Glandular		Mineralization	Moderate
[Mineralization TGLS = 12-8+15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 10,11-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Mineralization	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 451

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye		Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3,4-4+13]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12+14]	
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 451	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20375

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-8]	Pars Distalis	Hyperplasia Leukemia Mononuclear Adenoma	Moderate
* Spleen [Leukemia Mononuclear TGLS = 5-15]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 452

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-7]			
* Spleen		Developmental Malformation	
[Developmental Malformation TGLS = 2-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 453	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 10-12]	
		[Hepatocellular Carcinoma TGLS = 3-12]	
		[Leukemia Mononuclear TGLS = 2,9-4+12]	
		[Mixed Cell Focus TGLS = 4-4]	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
		[Infiltration Cellular TGLS = 1-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 453

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20377

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 8-8]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 11-4]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 5,6-7]	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland [Carcinoma TGLS = 7-13]		Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 454

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 664

HISTO: 20378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Thymus	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 8-5]			
Blood Vessel	Aorta	Mineralization	Marked
		Mineralization	Mild
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Brain		Compression	
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Intestine Large, Colon		Mineralization	Moderate
[Mineralization TGLS = 9-12]			
* Kidney	Bilateral, Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Renal Tubule	Degeneration	Moderate
		Mineralization	Marked
		Nephropathy	Marked
[Carcinoma TGLS = 7-5]			
[Nephropathy TGLS = 6-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 454

TRT#: 4

SEX: Male

DAY ON TEST: 664

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20378

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Eosinophilic Focus	
		Necrosis	Focal, Moderate
		Mineralization	Moderate
[Mineralization TGLS = 1-3]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Seminal Vesicle		Mineralization	Mild
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild
* Trachea		Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 455

TRT#: 4

SEX: Male

DAY ON TEST: 638

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 7-5]	
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatocellular Adenoma TGLS = 6-13]	
		[Leukemia Mononuclear TGLS = 4,5-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 455

TRT#: 4

SEX: Male

DAY ON TEST: 638

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20379

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,10-12,1-2]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,10-12,1-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,10-12,1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6,10-12,1-2]			
Mesentery	Fat	Hemorrhage	Mild
	Fat	Necrosis	Mild
[Hemorrhage TGLS = 11-15]			
[Necrosis TGLS = 12-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-12+14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 456

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 457

TRT#: 4

SEX: Male

DAY ON TEST: 723

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,9-5,6,7-14+6,10-7]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,9-5,6,7-14+6,10-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,9-5,6,7-14+6,10-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 457	TRT#: 4	SEX: Male	DAY ON TEST: 723
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20381

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-2,9-5,6,7-14+6,10-7]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 1-2,9-5,6,7-14+6,10-7]		Leukemia Mononuclear	
* Pancreas Acinus		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland Pars Distalis		Adenoma	
		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4,8-12+13]		Leukemia Mononuclear	
* Stomach, Forestomach [Leukemia Mononuclear TGLS = 12,13-8-15] [Necrosis TGLS = 11-15]		Leukemia Mononuclear Necrosis	Mild
* Stomach, Glandular [Leukemia Mononuclear TGLS = 12,13-8-15]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland C Cell		Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 458

TRT#: 4

SEX: Male

DAY ON TEST: 614

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Seminal Vesicle | * Skin | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--------------|----------------------|--------------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Minimal |
| | | Cataract | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Degeneration | Mild |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |

[Leukemia Mononuclear TGLS = 4-12,1-2,11-16,8-6,10-15]

[Leukemia Mononuclear TGLS = 4-12,1-2,11-16,8-6,10-15]

[Leukemia Mononuclear TGLS = 4-12,1-2,11-16,8-6,10-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 458

TRT#: 4

SEX: Male

DAY ON TEST: 614

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20382

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 4-12,1-2,11-16,8-6,10-15]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 4-12,1-2,11-16,8-6,10-15]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 4-12,1-2,8-6,10-15,11-16]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 4-12,1-2,11-16,8-6,10-15]		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 5,9-14]	Fat	Necrosis	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 2,3-12+13]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 6,7-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 459

TRT#: 4

SEX: Male

DAY ON TEST: 453

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1,2-11+12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 460

TRT#: 4

DOSE: 312 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 453

HISTO: 20384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 3-11]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 4-3]		
* Pancreas	Acinus	Atrophy	Mild
		Basophilic Focus	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin			
	Note: TGL 1-SQ MASS IN GROIN-WAS NORMAL FAT.		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 6

SEX: Male

DAY ON TEST: 594

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Mild
[Degeneration TGLS = 6-5]			
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 9-4]			
[Hepatodiaphragmatic Nodule TGLS = 7-15]			
[Leukemia Mononuclear TGLS = 8,10-14+4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,11-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 6

SEX: Male

DAY ON TEST: 594

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20205

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2,11-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,11-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,11-6]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 6

SEX: Male

DAY ON TEST: 544

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 6

SEX: Male

DAY ON TEST: 544

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20206

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 7-8]			
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Forestomach		Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 9-8]			
[Necrosis TGLS = 8-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 6

SEX: Male

DAY ON TEST: 586

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 4-5]	
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 603

TRT#: 6

SEX: Male

DAY ON TEST: 586

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20207

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 6

SEX: Male

DAY ON TEST: 663

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Degeneration TGLS = 8-13]	
		[Eosinophilic Focus TGLS = 6-12]	
		[Leukemia Mononuclear TGLS = 5-4+12+13]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-16]	
		[Leukemia Mononuclear TGLS = 7-16]	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 6

SEX: Male

DAY ON TEST: 663

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20208

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Pancreas		Basophilic Focus	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Developmental Malformation	
		Fibrosis	Moderate
		Leukemia Mononuclear	
[Developmental Malformation TGLS = 9-15]			
[Fibrosis TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 10-14+15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 6

SEX: Male

DAY ON TEST: 559

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3]	
Lymph Node	Lumbar	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6,2-2,8-14]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6,2-2,8-14]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6,2-2,8-14]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6,2-2,8-14]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6,2-2,8-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 6

SEX: Male

DAY ON TEST: 559

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20209

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose Note: DEGENERATION IN DORSAL LEVEL II.	Olfactory Epi	Degeneration	Mild
* Pancreas	Acinus	Atrophy Leukemia Mononuclear	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 1-13]		Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 5-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 6

SEX: Male

DAY ON TEST: 571

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
	[Degeneration TGLS = 8-5]		
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 7-4]		
	[Leukemia Mononuclear TGLS = 6-4]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,3,4,5-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 6

SEX: Male

DAY ON TEST: 525

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|---------------|-------------------------------------|----------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Epididymis | | Mesothelioma Malignant | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Renal Tubule | Degeneration | Marked |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Larynx | | Mineralization | Minimal |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-3] | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-2] | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-2] | |
| Mesentery | Fat | Necrosis | Moderate |
| | | [Necrosis TGLS = 6-13] | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | | [Hyperplasia TGLS = 4-8] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 6

SEX: Male

DAY ON TEST: 525

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20211

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibrosarcoma TGLS = 1-12]	Subcut Tiss	Fibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 5-11]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 7,8,9-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 6

SEX: Male

DAY ON TEST: 617

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pituitary Gland
* Seminal Vesicle
* Trachea

* Adrenal Medulla
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Preputial Gland
* Skin
* Urinary Bladder

* Bone Marrow
* Eye
* Intestine Small, Duodenum
* Lung
* Mammary Gland
* Prostate
* Spleen

* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Bronchial
* Pancreas
* Salivary Glands
* Thymus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Bone
* Heart
* Kidney

[Nephropathy TGLS = 1-5]

Femur

Renal Tubule

Fibrous Osteodystrophy
Cardiomyopathy
Degeneration
Nephropathy

Mild
Moderate
Marked

* Larynx
* Liver

* Nose
* Parathyroid Gland
* Stomach, Forestomach
* Stomach, Glandular
* Testes

Bilateral, Interstit Cell

Mineralization
Basophilic Focus
Degeneration
Inflammation
Hyperplasia
Mineralization
Mineralization
Adenoma

Minimal

Cystic, Mild
Suppurative, Minimal
Minimal
Minimal
Minimal

[Adenoma TGLS = 2,3-7]
* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 6

SEX: Male

DAY ON TEST: 639

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Preputial Gland
---------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Marked
		[Nephropathy TGLS = 3-5]	
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 2,7-13+14]	
		[Degeneration TGLS = 8-15]	
		[Hepatocellular Carcinoma TGLS = 1-12]	
Lymph Node	Renal	Pigmentation	Mild
		[Pigmentation TGLS = 6-17]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 609	TRT#: 6	SEX: Male	DAY ON TEST: 639
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20213

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Hepatocellular Carcinoma	Metastatic (Liver)
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Acanthosis	Mild
		Necrosis	Mild
[Acanthosis TGLS = 9-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 6

SEX: Male

DAY ON TEST: 523

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Peyers Patch	Inflammation	Granulomatous, Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
			[Nephropathy TGLS = 5-5]
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Minimal
* Mammary Gland		Adenoma	
* Pancreas		Basophilic Focus	
* Parathyroid Gland		Hyperplasia	Moderate
			[Hyperplasia TGLS = 8-2]
* Preputial Gland		Adenoma	
			[Adenoma TGLS = 3-7+11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 610

TRT#: 6
DOSE: 625 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 523
HISTO: 20214

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 7-7]	Bilateral, Interstit Cell	Adenoma
------------------------------------	---------------------------	---------

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 6

SEX: Male

DAY ON TEST: 721

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
	Note: FOREIGN MATERIAL IN LEVEL II.		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 7-13]		
* Nose		Thrombosis	
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 6

SEX: Male

DAY ON TEST: 721

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20215

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Skin		Acanthosis	Marked
[Acanthosis TGLS = 8-12]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Acanthosis Leukemia Mononuclear Necrosis	Mild Moderate
[Leukemia Mononuclear TGLS = 9-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5,6-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 6

DOSE: 625 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 617

HISTO: 20216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Leukemia Mononuclear	
		Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]			
[Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]			
[Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]			
[Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 6

SEX: Male

DAY ON TEST: 617

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20216

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 3-2,12-13,11-17,8-5,1-7,10-16,13-6]		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
* Skin [Necrosis TGLS = 5-14] [Squamous Cell Papilloma TGLS = 4-15]		Necrosis Squamous Cell Papilloma	Moderate
* Spleen [Leukemia Mononuclear TGLS = 6-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 9-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell Follicular Cel	Carcinoma Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 6

SEX: Male

DAY ON TEST: 455

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-7]			
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Moderate
* Spleen		Developmental Malformation	
[Developmental Malformation TGLS = 3-4]			
* Testes	Interstit Cell	Hyperplasia	Minimal
Tooth		Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 6

SEX: Male

DAY ON TEST: 621

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
Lymph Node	Iliac	Pigmentation	Mild
	[Pigmentation TGLS = 6-12]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-13]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 614

TRT#: 6

SEX: Male

DAY ON TEST: 621

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20218

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: RED RENAL LN COULD NOT BE FOUND IN WET TISSUE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 6

SEX: Male

DAY ON TEST: 639

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 1-3]			
Lymph Node	Renal	Edema	Mild
[Edema TGLS = 8-14]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 2-2]			
* Nose		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 6

SEX: Male

DAY ON TEST: 639

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20219

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy Basophilic Focus	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 4-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 616

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
		Mesothelioma Malignant	
[Hemorrhage TGLS = 3-3]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 616

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20220

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 617

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 617

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20221

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 6

SEX: Male

DAY ON TEST: 509

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Glandular | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|--------------------------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Degeneration | Marked |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Marked |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 1-11] | |
| * Stomach, Forestomach | | Acanthosis | Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 618

TRT#: 6
DOSE: 625 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 509
HISTO: 20222

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 6

SEX: Male

DAY ON TEST: 695

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
		Mineralization	Moderate
[Mineralization TGLS = 6-4]			
[Mineralization TGLS = 6-4]			
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
Eye	Cornea	Inflammation	Chronic Active, Mild
	Cornea	Mineralization	Mild
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Degeneration	Moderate
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Fatty Change	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 619	TRT#: 6 DOSE: 625 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 695 HISTO: 20223
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ORGAN AND ACCOUNTABLE SITE STATUS

		Mineralization Mixed Cell Focus	Mild
* Lung [Mineralization TGLS = 4-12]	Alveolar Epith	Hyperplasia Mineralization	Marked Moderate
Mesentery [Mineralization TGLS = 7-3]	Fat	Necrosis	Moderate
* Parathyroid Gland [Necrosis TGLS = 3-13]		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 8,9-8]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 1,2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 6

SEX: Male

DAY ON TEST: 630

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Leukemia Mononuclear	
* Bone Marrow		Mineralization	Minimal
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Mineralization	Minimal
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Mineralization	Moderate
[Nephropathy TGLS = 5-5]		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 6

SEX: Male

DAY ON TEST: 630

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20224

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Pancreas	Acinus	Adenoma	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 7-8]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Glandular		Leukemia Mononuclear	
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 6

SEX: Male

DAY ON TEST: 730

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Moderate
		Mineralization	Marked
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
Eye	Cornea	Inflammation	Chronic Active, Mild
	Cornea	Mineralization	Moderate
* Heart		Cardiomyopathy	Moderate
		Mineralization	Moderate
	Atrium	Thrombosis	
* Intestine Large, Colon		Mineralization	Mild
[Mineralization TGLS = 5-6]			
* Intestine Small, Ileum		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 6

SEX: Male

DAY ON TEST: 730

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20225

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Mixed Cell Focus	
* Nose		Mineralization	Marked
* Pancreas	Acinus	Inflammation	Suppurative, Mild
* Parathyroid Gland		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 6-7]		
* Seminal Vesicle		Mineralization	Moderate
* Stomach, Forestomach		Mineralization	Mild
	[Mineralization TGLS = 4-8]		
* Stomach, Glandular		Mineralization	Moderate
	[Mineralization TGLS = 4-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 622

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
	[Degeneration TGLS = 5-5]		
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2,4-4+11]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 6-3]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 1-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3,7-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623

TRT#: 6

SEX: Male

DAY ON TEST: 632

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623	TRT#: 6 DOSE: 625 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 20227
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Basophilic Focus Adenoma	
* Preputial Gland [Inflammation TGLS = 1-7]		Inflammation	Chronic Active, Moderate
* Skin [Keratoacanthoma TGLS = 10-13]		Keratoacanthoma	
* Spleen [Leukemia Mononuclear TGLS = 7-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 8,9-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 6

SEX: Male

DAY ON TEST: 733

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 5-5]	
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 8-13]	
		[Mixed Cell Focus TGLS = 6,7-4+14]	
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 2-15]	
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 624	TRT#: 6	SEX: Male	DAY ON TEST: 733
	DOSE: 625 PPM	DISP: Terminal Sacrifice	HISTO: 20228

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 6

SEX: Male

DAY ON TEST: 688

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Minimal
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 4-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatocellular Carcinoma TGLS = 3-4]	
		[Leukemia Mononuclear TGLS = 2-4]	
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 6

SEX: Male

DAY ON TEST: 688

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20229

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Mineralization	Mild
* Parathyroid Gland		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Adenoma	
		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 5-12]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 6

SEX: Male

DAY ON TEST: 688

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
		[Degeneration TGLS = 1-13]	
		[Mixed Cell Focus TGLS = 4-14]	
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Stomach, Forestomach		Acanthosis	Mild
		Necrosis	Moderate
		[Necrosis TGLS = 5-15]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 626	TRT#: 6	SEX: Male	DAY ON TEST: 688
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20230

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
Tongue [Hyperplasia TGLS = 3-12]	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 6

SEX: Male

DAY ON TEST: 639

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
Eye	Cornea	Inflammation	Chronic Active, Mild
	Cornea	Mineralization	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 6,7-5+13]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 627	TRT#: 6	SEX: Male	DAY ON TEST: 639
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20231

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
Lymph Node	Lumbar	Hemorrhage	Minimal
[Hemorrhage TGLS = 8-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-12+4]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 6

SEX: Male

DAY ON TEST: 616

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Epididymis | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|-------------------|--------------|--------------------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| Blood Vessel | Aorta | Mineralization | Moderate |
| * Bone | Cranium | Fibrous Osteodystrophy | |
| | Femur | Fibrous Osteodystrophy | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| Eye | Cornea | Inflammation | Chronic Active, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Renal Tubule | Degeneration | Marked |
| | | Nephropathy | Marked |
| | | [Nephropathy TGLS = 9,10-5] | |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | | [Degeneration TGLS = 11-14] | |
| | | [Leukemia Mononuclear TGLS = 12-4] | |
| * Lung | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 628	TRT#: 6 DOSE: 625 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 616 HISTO: 20232
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ORGAN AND ACCOUNTABLE SITE STATUS

[Mineralization TGLS = 3-3]		Mineralization	Marked
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-15]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7,13-12+13]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 5-7]			
[Hyperplasia TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 629

TRT#: 6

SEX: Male

DAY ON TEST: 531

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Ganglioneuroma	
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 6

SEX: Male

DAY ON TEST: 531

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20233

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-11]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 630

TRT#: 6

SEX: Male

DAY ON TEST: 572

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
		[Leukemia Mononuclear TGLS = 6-5]	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-6,2-2]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-6,2-2]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-6,2-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-6,2-2]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 6

SEX: Male

DAY ON TEST: 572

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20234

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-12+15]			
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Mild
[Necrosis TGLS = 9-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 631

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
		[Degeneration TGLS = 1-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
		Metaplasia	Osseous, Minimal
		[Hemorrhage TGLS = 4-3]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2,3-7+11]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 6

SEX: Male

DAY ON TEST: 674

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Leukemia Mononuclear	
* Bone	Femur	Pheochromocytoma Benign	
Eye	Retina	Fibrous Osteodystrophy	
* Heart		Atrophy	Minimal
* Kidney	Renal Tubule	Cardiomyopathy	Mild
	Renal Tubule	Degeneration	Marked
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Chordoma	Metastatic (Uncertain Primary Site)
		Leukemia Mononuclear	
		Mineralization	Moderate
[Chordoma TGLS = 2-3]			
[Leukemia Mononuclear TGLS = 1-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 632	TRT#: 6	SEX: Male	DAY ON TEST: 674
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20236

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633

TRT#: 6

SEX: Male

DAY ON TEST: 590

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Mild
* Bone	Cranium	Fibrous Osteodystrophy	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 9-5]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fibrosis	Moderate
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-13]			
[Hepatocellular Carcinoma TGLS = 6-14]			
[Leukemia Mononuclear TGLS = 8-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633	TRT#: 6	SEX: Male	DAY ON TEST: 590
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20237

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear Mineralization	Moderate
[Leukemia Mononuclear TGLS = 3-3]			
[Mineralization TGLS = 4-12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 14,15-19+17]			
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-18]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11,12-15+16]			
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 13-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 6

SEX: Male

DAY ON TEST: 632

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 7-5]		
Blood Vessel	Aorta	Mineralization	Minimal
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 634	TRT#: 6	SEX: Male	DAY ON TEST: 632
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20238

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 1-7,2-2]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7,2-2]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-7,2-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 1-7,2-2]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy Leukemia Mononuclear	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Hyperplasia TGLS = 3-8]	Pars Distalis	Hyperplasia	Mild
* Preputial Gland [Inflammation TGLS = 9-7]		Inflammation	Chronic Active, Mild
* Spleen [Leukemia Mononuclear TGLS = 5,8-13+12]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 6

SEX: Male

DAY ON TEST: 712

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thyroid Gland	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
		Mineralization	Marked
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Mild
		Mineralization	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
		[Nephropathy TGLS = 6-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Fatty Change	Minimal
		Mixed Cell Focus	
		[Degeneration TGLS = 5-12]	
* Lung		Hemorrhage	Minimal
		Mineralization	Moderate
		[Hemorrhage TGLS = 1-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 6

SEX: Male

DAY ON TEST: 712

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20239

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Hemorrhage TGLS = 2-3,11-6]		Hemorrhage	Moderate
* Lymph Node, Mesenteric [Hemorrhage TGLS = 2-3,11-6]		Hemorrhage	Mild
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 3,4-8]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Marked
* Testes [Adenoma TGLS = 8,9,10-7]	Bilateral, Interstit Cell	Adenoma	
* Trachea		Metaplasia Mineralization	Squamous, Minimal Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 6

DOSE: 625 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 20240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
Eye	Cornea	Mineralization	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Moderate
		Developmental Malformation	
		Nephropathy	Marked
		[Developmental Malformation TGLS = 3-12]	
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 6

SEX: Male

DAY ON TEST: 691

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20240

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]

* Stomach, Forestomach

Acanthosis

Mild

Necrosis

Marked

[Necrosis TGLS = 4-13]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 637

TRT#: 6

SEX: Male

DAY ON TEST: 608

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-1]		
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Marked
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Marked
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Degeneration TGLS = 4-12]		
	[Hepatocellular Adenoma TGLS = 4-4+12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 637	TRT#: 6	SEX: Male	DAY ON TEST: 608
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20241

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
		Thrombosis	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-15,2-3,9-14]			
[Leukemia Mononuclear TGLS = 1-7,8-15,2-3,9-14]			
[Leukemia Mononuclear TGLS = 1-7,8-15,2-3,9-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-15,2-3,9-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-15,2-3,9-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-15,2-3,9-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-15,9-14,2-3]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6,10-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 6

DOSE: 625 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 593

HISTO: 20242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-4]			
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Cyst	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
[Cyst TGLS = 10-13]			
[Degeneration TGLS = 8-4]			
[Hepatocellular Adenoma TGLS = 9-12]			
* Lung		Hemorrhage	Minimal
		Mineralization	Minimal
[Hemorrhage TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 6

SEX: Male

DAY ON TEST: 593

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20242

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
* Testes [Adenoma TGLS = 6,7-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 6

SEX: Male

DAY ON TEST: 510

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-4]	
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-7]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 639

TRT#: 6
DOSE: 625 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 510
HISTO: 20243

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder
[Hemorrhage TGLS = 4-8]

Hemorrhage

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 6

SEX: Male

DAY ON TEST: 611

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Moderate
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Brain		Compression	
Eye	Cornea	Mineralization	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 5,6-5+14]		
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Angiectasis TGLS = 11-13]		
	[Mixed Cell Focus TGLS = 9,10-12+15]		
* Lung		Mineralization	Mild
Lymph Node	Lumbar	Hemorrhage	Mild
	[Hemorrhage TGLS = 7-16]		
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 6

SEX: Male

DAY ON TEST: 611

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20244

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 1-8]

Pars Distalis

Adenoma

* Stomach, Glandular

Mineralization

Moderate

* Testes
[Hyperplasia TGLS = 2,3-7]

Interstit Cell

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 6

DOSE: 625 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST: 453

HISTO: 20245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Fibrosis	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
	[Degeneration TGLS = 3-5]		
	[Nephropathy TGLS = 2-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 4-3]		
* Mammary Gland		Galactocele	
	[Galactocele TGLS = 1-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 5-8]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin			
	Note: TGL 1-FOCI IN SQ-WAS ACTUALLY MAMMARY GLAND.		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 641

TRT#: 6
DOSE: 625 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST: 453
HISTO: 20245

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Interstit Cell C Cell	Hyperplasia Hyperplasia	Minimal Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 6

SEX: Male

DAY ON TEST: 668

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Nose | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------------|--------------|-------------------------|--------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Blood Vessel | Aorta | Pheochromocytoma Benign | |
| * Bone | Cranium | Mineralization | Mild |
| | Femur | Fibrous Osteodystrophy | |
| * Bone Marrow | | Fibrous Osteodystrophy | |
| Eye | Cornea | Leukemia Mononuclear | |
| * Heart | | Mineralization | Minimal |
| * Intestine Large, Colon | | Cardiomyopathy | Mild |
| * Kidney | Renal Tubule | Parasite Metazoan | |
| | | Degeneration | Moderate |
| | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| | | Nephropathy | Marked |
| [Nephropathy TGLS = 4-5] | | | |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 642	TRT#: 6	SEX: Male	DAY ON TEST: 668
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20246

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 6-14]			
* Lung		Leukemia Mononuclear Mineralization	Mild
[Leukemia Mononuclear TGLS = 2-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 6

DOSE: 625 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 361

HISTO: 20247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Compression	
[Compression TGLS = 6,7-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
* Liver		Congestion	Moderate
[Congestion TGLS = 5-4]			
* Lung		Congestion	Marked
		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
[Congestion TGLS = 2-3]			
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 8-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 644

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
	[Hepatocellular Carcinoma TGLS = 2-11]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 4-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 6

SEX: Male

DAY ON TEST: 652

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Minimal
* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
Eye	Cornea	Mineralization	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
	Transit Epithe	Papilloma	
	[Nephropathy TGLS = 3-5]		
	[Papilloma TGLS = 5-5]		
* Liver		Degeneration	Cystic, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 1-7]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 2-12]		
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 645

TRT#: 6
DOSE: 625 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 652
HISTO: 20249

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 646

TRT#: 6

SEX: Male

DAY ON TEST: 604

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLS = 8,9-13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-3+12]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 646	TRT#: 6	SEX: Male	DAY ON TEST: 604
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20250

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1,4-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Carcinoma	
	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
[Carcinoma TGLS = 3-5]			
[Degeneration TGLS = 4-5]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 648

TRT#: 6

SEX: Male

DAY ON TEST: 572

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,6-13,9-6,1-14,10-5]			
[Leukemia Mononuclear TGLS = 2-2,6-13,9-6,1-14,10-5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 6

SEX: Male

DAY ON TEST: 572

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20252

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2,6-13,9-6,1-14,10-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,6-13,9-6,1-14,10-5]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,6-13,9-6,1-14,10-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,6-13,9-6,1-14,10-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 6

SEX: Male

DAY ON TEST: 481

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Minimal
[Degeneration TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: NO CORRELATING LESION FOR TGLs=2.			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-4]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 650 **TRT#:** 6 **SEX:** Male **DAY ON TEST:** 617
DOSE: 625 PPM **DISP:** Moribund Sacrifice **HISTO:** 20254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Marked
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
* Lymph Node, Mediastinal		Hemorrhage	Minimal
	[Hemorrhage TGLS = 1-2]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin		Basosquamous Tumor Benign	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 651

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		[Hyperplasia TGLS = 2-8]	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 652

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2,3-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 653

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
Note: REGENERATION ASSOCIATED WITH LEUKEMIA. [Regeneration TGLS = 3-12]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
			[Hemorrhage TGLS = 5-3]
* Lymph Node, Mediastinal		Hemorrhage	Minimal
			[Hemorrhage TGLS = 4-2]
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
			[Hyperplasia TGLS = 8-8]
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 653

TRT#: 6

SEX: Male

DAY ON TEST: 453

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20257

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2,6-11]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1,7-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 654

TRT#: 6

DOSE: 625 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 626

HISTO: 20258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Thymus
---------------------------	----------

OBSERVATIONS

* Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
* Heart		Cardiomyopathy	Moderate
	[Cardiomyopathy TGLS = 2-4]		
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
	[Nephropathy TGLS = 6-5]	Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Marked
		Eosinophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	[Degeneration TGLS = 3,10-13+12]	Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4,5,9-14+4+12]		
Lymph Node	Renal	Hemorrhage	Minimal
	[Hemorrhage TGLS = 12-6,11-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 654

TRT#: 6

SEX: Male

DAY ON TEST: 626

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20258

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Hemorrhage TGLS = 12-6,11-5]		Hemorrhage	Marked
Mesentery [Hemorrhage TGLS = 13-15]	Fat	Hemorrhage	Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Spleen [Hematopoietic Cell Proliferation TGLS = 8-4]		Hematopoietic Cell Proliferation	Minimal
* Testes [Adenoma TGLS = 7-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 655

TRT#: 6

SEX: Male

DAY ON TEST: 603

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	Tissue NOS
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-12]	
		[Leukemia Mononuclear TGLS = 6,12-4+13]	
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]	
		[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 655

TRT#: 6

SEX: Male

DAY ON TEST: 603

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20259

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,2-3,10-15,3-14,11-2,9-18,8-17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 13-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 656

TRT#: 6

SEX: Male

DAY ON TEST: 663

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
		[Hyperplasia TGLS = 2-3]	
Lymph Node	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3,5-14]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3,5-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 656

TRT#: 6

SEX: Male

DAY ON TEST: 663

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20260

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-3,5-14]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-3,5-14]		Leukemia Mononuclear	
* Pancreas Acinus		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland Pars Distalis [Adenoma TGLS = 3-8]		Adenoma Leukemia Mononuclear	
* Spleen [Developmental Malformation TGLS = 7-13] [Leukemia Mononuclear TGLS = 6-12]		Developmental Malformation Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 657

TRT#: 6

SEX: Male

DAY ON TEST: 702

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
	[Mixed Cell Focus TGLS = 12-13]		
Lymph Node	Pancreatic	Edema	Mild
	Renal	Edema	Mild
	[Edema TGLS = 5-14,6-18]		
	[Edema TGLS = 5-14,6-18]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 657

TRT#: 6

SEX: Male

DAY ON TEST: 702

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20261

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 7-17]	Fat	Necrosis	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Hyperplasia TGLS = 1-8]	Pars Distalis	Hyperplasia	Mild
* Skin [Sarcoma TGLS = 11-16]	Subcut Tiss	Sarcoma	
* Spleen [Developmental Malformation TGLS = 4-15]		Developmental Malformation	
* Testes [Adenoma TGLS = 8,10-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 658

TRT#: 6

SEX: Male

DAY ON TEST: 626

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Parasite Metazoan	
		Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 5-5]	
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Mixed Cell Focus TGLS = 7-12]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 658	TRT#: 6	SEX: Male	DAY ON TEST: 626
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20262

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 4,8-14+15] [Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 659

TRT#: 6

SEX: Male

DAY ON TEST: 555

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Leukemia Mononuclear	
		Degeneration	Marked
		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6,4-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6,4-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6,4-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6,4-2]		
* Nose		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 659

TRT#: 6

SEX: Male

DAY ON TEST: 555

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20263

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 2-12]

Leukemia Mononuclear

* Testes

[Adenoma TGLS = 1-7]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 660

TRT#: 6

SEX: Male

DAY ON TEST: 583

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	
[Compression TGLS = 1-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-12]		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-13]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 660

TRT#: 6
DOSE: 625 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 583
HISTO: 20264

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]	Interstit Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 101

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 5-13]	
		[Hepatodiaphragmatic Nodule TGLS = 2-4]	
* Lung		Hemorrhage	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12+14]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-8]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 7,8-4+13]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-12+16+15]			
* Ovary		Cyst	
[Cyst TGLS = 6-7]			
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-14]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 102	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 20086
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ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 5-8]	Follicular Cel	Hyperplasia Polyp Stromal	Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 693

HISTO: 20087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye	Retina	Compression	
* Heart		Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
* Larynx		Leukemia Mononuclear	
		Nephropathy	Minimal
		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4,5,11,12-4+17+18]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14,3-2]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14,3-2]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14,3-2]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14,3-2]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20087

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-14,3-2]		Leukemia Mononuclear	
* Mammary Gland [Carcinoma TGLS = 2,9-13+15]		Carcinoma	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 8-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 6-12]		Leukemia Mononuclear	
* Stomach, Forestomach [Acanthosis TGLS = 10-16]		Acanthosis Leukemia Mononuclear	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland [Hyperplasia TGLS = 10-16]	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye	Retina	Degeneration	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Diverticulum	Mild
[Diverticulum TGLS = 3-13]			
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 105

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 20089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 714

HISTO: 20090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	Ear	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10+13]			
* Brain		Compression	
		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 9,10-5]			
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7,12-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20090

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 2-7,12-2]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 2-7,12-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-7,12-2]		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 1,13-7+12+14]		Fibroadenoma	Multiple
Mesentery [Necrosis TGLS = 8-15]	Fat	Leukemia Mononuclear Necrosis	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 6-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 7-4]		Leukemia Mononuclear	
* Stomach, Forestomach [Necrosis TGLS = 15-16,14-16]		Acanthosis Leukemia Mononuclear Necrosis	Mild Mild
* Stomach, Glandular [Necrosis TGLS = 15-16,14-16]		Leukemia Mononuclear Mineralization Necrosis	Mild Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 707

HISTO: 20091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
Note: FOREIGN BODY IN DORSAL AREA OF LEVEL III.			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		Necrosis	Focal, Minimal
* Lung		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 4,5,6-14+13+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Cyst	
[Cyst TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-12]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 454

HISTO: 20093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-11]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 699

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 7-7]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 699

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20094

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 5-13]	Fat	Necrosis	Moderate
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Adenoma	
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Stomach, Forestomach [Necrosis TGLS = 8-14+8]		Acanthosis	Mild
		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 663

HISTO: 20095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Compression	
Eye	Retina	Atrophy	Mild
		Cataract	Mild
	[Cataract TGLS = 1-11]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	[Fatty Change TGLS = 5-4]	Fatty Change	Mild
* Lung		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 3-3]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-13]		
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 2-12]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:18
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 111

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 663
HISTO: 20095

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:18

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
	Retina	Degeneration	Minimal
		Degeneration	Moderate
		Hemorrhage	Mild
[Cataract TGLS = 2-11]			
[Degeneration TGLS = 2-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 112

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 20096

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue
[Squamous Cell Papilloma TGLS = 4-12]

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

SEX: Female

DAY ON TEST: 481

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11+12]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 2-2]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Minimal
[Cataract TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Mixed Cell Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
		Schwannoma Nos	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-2]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-2]	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-14]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 3-13]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 4-8]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 119

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 20103

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-12]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 120

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 685

HISTO: 20104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Lung	Alveolar Epith	Hemorrhage	Minimal
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 1-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Acanthosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 123

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 692

HISTO: 20107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Bronchial
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Uterus
- * Bone Marrow
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Ovary
- * Skin
- * Thymus
- * Clitoral Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mediastinal
- * Pancreas
- * Spleen
- * Trachea
- * Esophagus
- * Intestine Small, Duodenum
- * Lung
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder

OBSERVATIONS

- * Adrenal Cortex
- * Bone
- * Brain
- Eye
- * Heart
- * Kidney
- * Larynx
- * Liver
- Retina
- [Hepatodiaphragmatic Nodule TGLS = 2-4]
- [Mixed Cell Focus TGLS = 3,4,6-4+12+13+15]
- * Mammary Gland
- [Fibroadenoma TGLS = 5-14]
- * Pituitary Gland
- [Adenoma TGLS = 1-8]
- * Thyroid Gland
- Pars Distalis
- C Cell
- Hyperplasia
- Hyperostosis
- Compression
- Degeneration
- Cardiomyopathy
- Nephropathy
- Mineralization
- Basophilic Focus
- Hepatodiaphragmatic Nodule
- Mixed Cell Focus
- Fibroadenoma
- Adenoma
- Hyperplasia
- Minimal
- Minimal
- Moderate
- Minimal
- Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-7]			
Eye	Retina	Atrophy	Marked
		Cataract	Marked
	Retina	Degeneration	Minimal
		Degeneration	Moderate
		Hemorrhage	Mild
[Cataract TGLS = 1-11]			
[Degeneration TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-12]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
		Histiocytic Sarcoma	Metastatic (Bone Marrow)
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 1-2]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Eye	Retina	Atrophy	Minimal
		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 3-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Brain		Compression	
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 130

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 20114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	
* Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-7]			
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 649

HISTO: 20116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Mandibular	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leiomyosarcoma	Metastatic (Uterus)
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
Eye		Cataract	Minimal
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leiomyosarcoma	Metastatic (Uterus)
		Nephropathy	Minimal
	[Leiomyosarcoma TGLS = 11-5]		
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 7-4]		
* Lung		Hemorrhage	Minimal
		Leiomyosarcoma	Metastatic (Uterus)
	[Leiomyosarcoma TGLS = 6,9,10-3]		
* Lymph Node, Mesenteric		Leiomyosarcoma	Metastatic (Uterus)
	[Leiomyosarcoma TGLS = 4-13]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,3-14+15]		
Mesentery		Leiomyosarcoma	Metastatic (Uterus)
	[Leiomyosarcoma TGLS = 12-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 649

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20116

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 5-8]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Leiomyosarcoma TGLS = 1-16]		Leiomyosarcoma	
Vagina [Polyp TGLS = 13-17]		Polyp	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	
* Clitoral Gland		Adenoma	
Eye	Retina	Degeneration	Minimal
	Cornea	Mineralization	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 698

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Minimal
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
	[Cardiomyopathy TGLS = 6-4]		
* Intestine Large, Cecum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-15]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-14,4-6+13,1,2-2]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-14,4-6+13,1,2-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 698

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20118

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 8-14,4-6+13,1,2-2]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 8-14,4-6+13,1,2-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-14,4-6+13,1,2-2]		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 5-8]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear	
* Stomach, Glandular [Necrosis TGLS = 11-16]		Necrosis	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 702

HISTO: 20119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Degeneration	Cystic, Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14]			
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 135	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 702 HISTO: 20119
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-12]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 136

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 6-7]			
Eye	Retina	Atrophy	Minimal
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Regeneration	Minimal
[Basophilic Focus TGLS = 2-12]			
[Regeneration TGLS = 1,3-13+4]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20120

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 5-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 137

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Small, Duodenum

OBSERVATIONS

* Bone		Hyperostosis	
Eye	Retina	Atrophy	Moderate
		Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 726

HISTO: 20122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Skin	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Clitoral Gland		Leukemia Mononuclear	
Eye	Retina	Atrophy Cataract	Moderate Moderate
	Cornea	Hemorrhage Inflammation Leukemia Mononuclear	Marked Chronic Active, Minimal
	[Hemorrhage TGLS = 5-11]		
* Heart		Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney		Leukemia Mononuclear	
* Larynx		Nephropathy Metaplasia	Minimal Squamous, Minimal
* Liver		Mineralization Fatty Change	Minimal Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,4-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20122

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-6,4-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6,4-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6,4-2]			
* Mammary Gland		Leukemia Mononuclear	
* Ovary		Cyst	
		Leukemia Mononuclear	
[Cyst TGLS = 2-7]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 9-12]			
[Leukemia Mononuclear TGLS = 8-4+12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 626

DOSE: CONTROL

DISP: Natural Death

HISTO: 20123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	
* Brain		Compression	
* Clitoral Gland		Carcinoma	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		[Carcinoma TGLS = 1-12+13]	
		[Fibroadenoma TGLS = 4-14]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-8]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	
* Clitoral Gland	Duct	Ectasia	Mild
[Ectasia TGLS = 3-7]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 433

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone [Sarcoma TGLS = 2,3-11]	Vertebra	Sarcoma	
* Larynx		Mineralization	Minimal
* Lung		Hemorrhage	Minimal
		Sarcoma	Metastatic (Bone)
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-4]			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-7]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Adenoma	
[Adenoma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: CONTROL

DISP: Scheduled Sacrifice

HISTO: 20130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-2]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 554

HISTO: 20131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	
[Compression TGLS = 2-1]			
Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 148

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 20132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
[Hyperplasia TGLS = 2-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Eye	Retina	Leukemia Mononuclear	
		Atrophy	Moderate
		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 151

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 20135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Eye		Cataract	Minimal
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 152

TRT#: 2

SEX: Female

DAY ON TEST: 581

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	
Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 153

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 721

HISTO: 20137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-14]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 154

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
	Retina	Cataract	Mild
		Degeneration	Minimal
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Lymphocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 155

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 481

HISTO: 20139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
[Compression TGLS = 4-1]			
Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3,5-11+12]			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-7]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 156

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-7]			
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Diverticulum	Mild
[Diverticulum TGLS = 3-12]		Infiltration Cellular	Eosinophil, Moderate
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 157

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 677

HISTO: 20141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
* Clitoral Gland		Dilatation	Moderate
Eye	Retina	Atrophy	Moderate
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
		Polyarteritis	Mild
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6-4]			
* Lung		Hemorrhage	Minimal
	Mediastinum	Polyarteritis	Mild
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 4-13]			
Mesentery		Polyarteritis	Mild
[Polyarteritis TGLS = 3,5-14+6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 157

TRT#: 2

SEX: Female

DAY ON TEST: 677

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 20141

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 158

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 707

HISTO: 20142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 4-2,2-7]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 4-2,2-7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 159

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 20143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Fatty Change	Minimal
[Leukemia Mononuclear TGLS = 3-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-13]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 160

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 621

HISTO: 20144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 160	TRT#: 2	SEX: Female	DAY ON TEST: 621
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 20144

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-3]			
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 5-2,1-11]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 5-2,1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO: 20386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-4]	
* Stomach, Forestomach		Acanthosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 502	TRT#: 5	SEX: Female	DAY ON TEST: 722
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20386

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Leukemia Mononuclear	
		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone		Hyperostosis	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Angiectasis TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12+13]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 574

HISTO: 20388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye	Retina	Atrophy	Marked
		Cataract	Moderate
	Retina	Degeneration	Minimal
		Hemorrhage	Moderate
	Cornea	Inflammation	Chronic Active, Minimal
	[Hemorrhage TGLS = 2-11]		
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Leiomyosarcoma	
	[Leiomyosarcoma TGLS = 5-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 504

TRT#: 5

SEX: Female

DAY ON TEST: 574

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20388

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 704

HISTO: 20389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Brain		Compression	
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 5

SEX: Female

DAY ON TEST: 704

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20389

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Forestomach		Acanthosis	Mild
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-11]		
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLS = 2-4]		
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 508 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 517
DOSE: 312 PPM **DISP:** Moribund Sacrifice **HISTO:** 20392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
Eye	Cornea	Mineralization	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 5

SEX: Female

DAY ON TEST: 517

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20392

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-4]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 5

SEX: Female

DAY ON TEST: 565

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-7]			
* Heart		Cardiomyopathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 5

SEX: Female

DAY ON TEST: 468

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Clitoral Gland	Inflammation	Chronic Active, Minimal
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Larynx	Mineralization	Minimal
* Liver	Basophilic Focus	
* Lung	Hemorrhage	Minimal
	Inflammation	Chronic Active, Minimal
* Lym Node Media		
Note: ENLARGED RED MEDIASTINAL LN WAS ACTUALLY LARGE ARTERY.		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-11]		
* Thyroid Gland	C Cell	Hyperplasia
		Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 675

HISTO: 20397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Brain		Compression	
		Hemorrhage	Moderate
Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
[Angiectasis TGLS = 3-4]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 6-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 5

SEX: Female

DAY ON TEST: 594

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Fibrosis	Moderate
* Bone		Hyperostosis	
* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
[Fatty Change TGLS = 3-4]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-7]			
Pharynx	Palate	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Salivary Glands		Adenoma	
[Adenoma TGLS = 4-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 5

SEX: Female

DAY ON TEST: 537

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	
* Brain		Compression	
		Hemorrhage	Mild
	[Hemorrhage TGLS = 4-1]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	[Mixed Cell Focus TGLS = 3-4+11]	Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 1-3]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Stomach, Forestomach		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
Eye	Retina	Atrophy	Mild
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 6,7-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]	
		[Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]	
		[Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 730

HISTO: 20400

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-2,8-13,9-14,1-7,10-15,12-6]		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 11-16]	Fat	Necrosis	Mild
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Skin [Inflammation TGLS = 4-7]		Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 5-12]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-4]			
[Hepatocellular Carcinoma TGLS = 2-12]			
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
[Mixed Cell Focus TGLS = 4-4]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 638

HISTO: 20402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Sarcoma Stromal	Metastatic (Uterus)
* Kidney	Pelvis	Dilatation	Moderate
	Renal Tubule	Hyperplasia	Mild
	Papilla	Necrosis	Moderate
		Nephropathy	Minimal
[Dilatation TGLS = 2-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6-4+14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 5-13,7-15]			
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 5-13,7-15]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Sarcoma Stromal	Metastatic (Uterus)
* Uterus		Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 518

TRT#: 5

SEX: Female

DAY ON TEST: 638

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20402

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma Stromal TGLS = 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 519

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 723

HISTO: 20403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 519	TRT#: 5	SEX: Female	DAY ON TEST: 723
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20403

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Marked
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Acanthosis Leukemia Mononuclear	Mild
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 5

SEX: Female

DAY ON TEST: 691

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart	Atrium	Leukemia Mononuclear	
		Thrombosis	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Focal, Mild
* Pancreas	Acinus	Atrophy	Mild
		Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 5

SEX: Female

DAY ON TEST: 691

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20404

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 618

HISTO: 20405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye	Retina	Pheochromocytoma Benign	
* Heart		Compression	
		Degeneration	Minimal
		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Larynx		Nephropathy	Minimal
* Liver		Mineralization	Minimal
	Bile Duct	Fatty Change	Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,6-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,6-6]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,6-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 521	TRT#: 5	SEX: Female	DAY ON TEST: 618
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20405

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2,6-6]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLS = 2-4]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Spleen		Developmental Malformation	
	[Developmental Malformation TGLS = 1-11]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 523

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Hepatocellular Adenoma TGLS = 3-4]	
		[Hepatodiaphragmatic Nodule TGLS = 2-12]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	
		[Cyst TGLS = 4-7]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20407

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 5

SEX: Female

DAY ON TEST: 574

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Brain		Compression	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Moderate
[Regeneration TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-13]			
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 5

SEX: Female

DAY ON TEST: 574

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20409

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 1-8]

Pars Distalis

Adenoma

* Spleen
[Leukemia Mononuclear TGLS = 2-12]

Leukemia Mononuclear

* Thyroid Gland
C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 526

TRT#: 5
DOSE: 312 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 454
HISTO: 20410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 5

SEX: Female

DAY ON TEST: 618

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tooth	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	
* Brain		Compression	
Eye	Cornea	Mineralization	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,5-4+12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Hyperostosis	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
	Retina	Degeneration	Minimal
		Hemorrhage	Mild
	Cornea	Inflammation	Chronic Active, Minimal
[Cataract TGLS = 3-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Mild
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Mixed Cell Focus	
[Angiectasis TGLS = 5-4]			
[Basophilic Focus TGLS = 6-12]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 528	TRT#: 5	SEX: Female	DAY ON TEST: 735
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20412

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Infiltration Cellular	Lipocyte, Mild
* Thyroid Gland [Carcinoma TGLS = 2-2]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 5

SEX: Female

DAY ON TEST: 600

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Eye		Cataract	Minimal
	Retina	Degeneration	Minimal
	[Cataract TGLS = 2-11]		
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	[Leukemia Mononuclear TGLS = 4-4]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 529

TRT#: 5

SEX: Female

DAY ON TEST: 600

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20413

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 530	TRT#: 5	SEX: Female	DAY ON TEST: 625
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20414

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-12]

* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 5

SEX: Female

DAY ON TEST: 565

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 1-12]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 5

SEX: Female

DAY ON TEST: 413

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Heart			
Note: MESOTHELIOMA ON EPICARDIUM ALSO.			
Note: MESOTHELIOMA TERM NOT AVAILABLE FOR HEART.			
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Mixed Cell Focus	
* Lung	Mediastinum	Mesothelioma Malignant	
		Mesothelioma Malignant	
		[Mesothelioma Malignant TGLS = 1,2-3+13]	
		[Mesothelioma Malignant TGLS = 1,2-3+13]	
* Lymph Node, Mediastinal		Mesothelioma Malignant	
		[Mesothelioma Malignant TGLS = 3,4-11]	
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		[Hemorrhage TGLS = 6-6]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 7-12]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 5

SEX: Female

DAY ON TEST: 413

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20416

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]

* Thymus

Note: MESOTHELIOMA TERM NOT AVAILABLE FOR THYMUS.

Note: THYMUS PROBABLY OBLITERATED BY MESOTHELIOMA.

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 533

TRT#: 5
DOSE: 312 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 20417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Hyperostosis	
* Brain		Compression	
* Clitoral Gland		Adenoma	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1,2,4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 534

TRT#: 5

SEX: Female

DAY ON TEST: 597

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 534

TRT#: 5

SEX: Female

DAY ON TEST: 597

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20418

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 535

TRT#: 5
DOSE: 312 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 20419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-4]			
* Lung		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	Follicular Cel C Cell	Carcinoma Hyperplasia	Minimal
[Carcinoma TGLS = 6-2]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 557

HISTO: 20420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1,2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 7-13]	
		[Hepatocellular Carcinoma TGLS = 4-4]	
		[Hepatodiaphragmatic Nodule TGLS = 8-14]	
		[Leukemia Mononuclear TGLS = 3-4]	
		[Mixed Cell Focus TGLS = 5-4]	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		[Inflammation TGLS = 6-12]	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20421

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-8]

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 5

SEX: Female

DAY ON TEST: 454

DOSE: 312 PPM

DISP: Scheduled Sacrifice

HISTO: 20422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--|--------|----------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Bone Marrow | | Hyperplasia | Reticulum Cell, Minimal |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLS = 2-7] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 3-11] | | | |
| * Lung | | Hemorrhage | Minimal |
| [Hemorrhage TGLS = 4-3] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 5

SEX: Female

DAY ON TEST: 523

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3,4-4]			
* Lung		Hemorrhage	Minimal
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Myelofibrosis	Marked
* Heart		Degeneration	Minimal
* Intestine Large, Colon		Cardiomyopathy	Mild
* Kidney		Parasite Metazoan	
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Leukemia Mononuclear	
		[Hepatocellular Adenoma TGLS = 5,6-12+13]	
		[Leukemia Mononuclear TGLS = 2,4-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Ovary		Cyst	
		[Cyst TGLS = 3-7]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 540	TRT#: 5	SEX: Female	DAY ON TEST: 735
	DOSE: 312 PPM	DISP: Terminal Sacrifice	HISTO: 20424

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]

* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 588

HISTO: 20425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,2-2,1-7,6-12]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,2-2,1-7,6-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,2-2,1-7,6-12]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,2-2,1-7,6-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6,2-2,1-7,6-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 5

SEX: Female

DAY ON TEST: 588

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20425

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Leukemia Mononuclear
* Ovary		Leukemia Mononuclear
* Pancreas		Leukemia Mononuclear
* Pituitary Gland	Pars Distalis	Adenoma
		Leukemia Mononuclear
	[Adenoma TGLS = 3-14]	
	[Leukemia Mononuclear TGLS = 3-14]	
* Spleen		Leukemia Mononuclear
	[Leukemia Mononuclear TGLS = 5-13]	
* Stomach, Forestomach		Leukemia Mononuclear
* Stomach, Glandular		Leukemia Mononuclear
* Uterus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-17,9-18,10-6,8-16]		
	[Leukemia Mononuclear TGLS = 6-17,9-18,10-6,8-16]		
	[Leukemia Mononuclear TGLS = 6-17,9-18,10-6,8-16]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-16,6-17,9-18,10-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20426

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-16,6-17,9-18,10-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16,6-17,9-18,10-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16,6-17,9-18,10-6]			
* Mammary Gland		Fibroadenoma	
		Leukemia Mononuclear	
[Fibroadenoma TGLS = 3-15]			
[Leukemia Mononuclear TGLS = 1,2,3-13+14+15]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4+12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
		Leukemia Mononuclear	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Carcinoma	Metastatic (Pituitary Gland)
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 544

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
* Clitoral Gland		Adenoma	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
[Basophilic Focus TGLS = 3-12]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 730

HISTO: 20429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1-3]			
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 545	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20429

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Angiectasis	Minimal
	Bile Duct	Basophilic Focus	
[Angiectasis TGLS = 3-4]		Hyperplasia	Minimal
[Basophilic Focus TGLS = 4-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 5

SEX: Female

DAY ON TEST: 617

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-7]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 547

TRT#: 5
DOSE: 312 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 617
HISTO: 20431

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-12]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 5

SEX: Female

DAY ON TEST: 468

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Larynx		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 549

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 454

HISTO: 20433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 1,2-4]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Lymph Node, Mediastinal		Hemorrhage	Mild
	[Hemorrhage TGLS = 4-2]		
* Pancreas	Acinus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 550

TRT#: 5

SEX: Female

DAY ON TEST: 581

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-7,2-2]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-7,2-2]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 551

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 583

HISTO: 20435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-6]	
* Intestine Small, Ileum		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6]	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
		[Regeneration TGLS = 2-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3,4-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 551

TRT#: 5

SEX: Female

DAY ON TEST: 583

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20435

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal

[Leukemia Mononuclear TGLS = 1-2]

Leukemia Mononuclear

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 1-2]

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Moderate

* Uterus

Leukemia Mononuclear

Polyp Stromal

Multiple

[Polyp Stromal TGLS = 5,6-12+8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 552

TRT#: 5

SEX: Female

DAY ON TEST: 247

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Astrocytoma Nos	
[Astrocytoma Nos TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-3]			
* Pancreas	Acinus	Atrophy	Minimal
* Stomach, Forestomach		Diverticulum	Mild
[Diverticulum TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 553

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 701

HISTO: 20437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------|--------------|---|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Degeneration | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Renal Tubule | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Larynx | | Inflammation | Chronic Active, Mild |
| | | Mineralization | Minimal |
| * Liver | | Degeneration | Cystic, Minimal |
| | | Fatty Change | Mild |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-4] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 6-6,1-2,5-6] | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 6-6,1-2,5-6] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 6-6,1-2,5-6] | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 6-6,1-2,5-6] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 553

TRT#: 5

SEX: Female

DAY ON TEST: 701

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20437

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-6,1-2,5-6]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy Leukemia Mononuclear	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Minimal
[Hyperplasia TGLS = 2,7-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Forestomach		Necrosis	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 554

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	
* Brain		Compression	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 554	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: 312 PPM	DISP: Moribund Sacrifice	HISTO: 20438

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 555

TRT#: 5

SEX: Female

DAY ON TEST: 707

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Degeneration	Moderate
Note: DEGENERATION UNILATERAL [Degeneration TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 6-4] [Hepatodiaphragmatic Nodule TGLS = 4-13]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 555

TRT#: 5

SEX: Female

DAY ON TEST: 707

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20439

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3,5-12]

* Stomach, Forestomach

Mineralization

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 556

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Hyperostosis	
* Brain		Compression	
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-4]		Hepatodiaphragmatic Nodule	
Lymph Node	Lumbar	Pigmentation	Mild
[Pigmentation TGLS = 6-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Infiltration Cellular	Lipocyte, Mild
[Infiltration Cellular TGLS = 2-4]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 557

TRT#: 5

SEX: Female

DAY ON TEST: 649

DOSE: 312 PPM

DISP: Moribund Sacrifice

HISTO: 20441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Bone | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Clitoral Gland

OBSERVATIONS

- | | | | |
|--|----------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | |
| Eye | | Cataract | Mild |
| | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Intestine Small, Jejunum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Larynx | | Mineralization | Minimal |
| * Liver | | Fatty Change | Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19] | | | |
| [Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19] | | | |
| [Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 557

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 649

HISTO: 20441

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7,15-12,14-18,10-16,8-3,12-20,7-19]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-17+14]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-7]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Stomach, Forestomach		Acanthosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 558

TRT#: 5

DOSE: 312 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Mild
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Hepatocellular Carcinoma TGLS = 3-14]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 559

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 312 PPM

DISP: Terminal Sacrifice

HISTO: 20443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	
* Clitoral Gland		Adenoma	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 560

TRT#: 5
DOSE: 312 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 653
HISTO: 20444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
[Thrombosis TGLS = 3-4]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 7-12]			
* Kidney		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 653

HISTO: 20265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
Adrenal Medulla		Pheochromocytoma Benign	
Bone		Hyperostosis	
[Hyperostosis TGLS = 2-15]			
Brain		Compression	
Eye	Retina	Atrophy	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-4]			
Lung		Hemorrhage	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-13]			
Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-12]			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 7

SEX: Female

DAY ON TEST: 607

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Eye	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 2-4]		
Lung		Hemorrhage	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone		Hyperostosis	
Brain		Compression	
Eye	Retina	Atrophy	Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
Lung		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
Skin		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 1-12]		
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Adenoma	
	[Adenoma TGLS = 2-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 703

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20267

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 704

TRT#: 7
DOSE: 625 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 668
HISTO: 20268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Jejunum	Islets, Pancreatic	Parathyroid Gland
Salivary Glands	Skin	Stomach, Forestomach	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Bone		Hyperostosis	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Eye	Retina	Degeneration	Minimal
		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Intestine Large, Colon		Leukemia Mononuclear	
Intestine Small, Ileum		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Mild
Note: FOREIGN MATERIAL IN LEVEL II.			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-4]			
Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15,8-6+13,2,3-14,11-2]			
Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15,8-6+13,2,3-14,11-2]			
Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 704	TRT#: 7	SEX: Female	DAY ON TEST: 668
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20268

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-15,8-6+13,2,3-14,11-2]			
Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15,8-6+13,2,3-14,11-2]			
Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15,8-6+13,2,3-14,11-2]			
Mammary Gland		Carcinoma	
[Carcinoma TGLS = 7-16]			
Nose		Leukemia Mononuclear	
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
Stomach, Glandular		Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 7

SEX: Female

DAY ON TEST: 534

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Larynx	Lung	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-4]			
Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 733

HISTO: 20270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Cortex		Hypertrophy	Mild
Brain		Compression	
Clitoral Gland		Adenoma	
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
Lung	Alveolar Epith	Hyperplasia	Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-12]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Minimal
Larynx		Nephropathy	Minimal
		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Eosinophilic Focus	
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 708	TRT#: 7	SEX: Female	DAY ON TEST: 735
	DOSE: 625 PPM	DISP: Terminal Sacrifice	HISTO: 20272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Eye	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
Brain		Compression	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Angiectasis TGLS = 2-4]			
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
Lung		Hemorrhage	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal
[Carcinoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 7

SEX: Female

DAY ON TEST: 387

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lung	Lymph Node, Bronchial
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Stomach, Forestomach	Stomach, Glandular
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OBSERVATIONS

Eye	Retina	Atrophy	Minimal
		Cataract	Mild
	Cornea	Mineralization	Minimal
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
[Fatty Change TGLS = 2-4]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-11+12]			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-ENLARGED ADRENAL: NORMAL ON MICRO EXAM.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 699

HISTO: 20274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Islets, Pancreatic
Larynx	Lymph Node, Mandibular	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
Heart		Leukemia Mononuclear	
Intestine Small, Duodenum		Leukemia Mononuclear	
Intestine Small, Ileum		Leukemia Mononuclear	
Intestine Small, Jejunum		Leukemia Mononuclear	
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 6-13]	
		[Leukemia Mononuclear TGLS = 3,7-4+14]	
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2,4-15]	
		[Leukemia Mononuclear TGLS = 5-2,4-15]	
Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2,4-15]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 7

SEX: Female

DAY ON TEST: 699

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20274

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 5-2,4-15]		Leukemia Mononuclear	
Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-2,4-15]		Leukemia Mononuclear	
Ovary		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
		Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Esophagus	Eye	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	
Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 4-7]			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 2-4]			
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
Lung	Alveolar Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node, Bronchial

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1-4]			
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach, Forestomach		Acanthosis	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 7

SEX: Female

DAY ON TEST: 504

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large, Rectum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Lymph Node, Mandibular	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Skin
Trachea			

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
Heart		Leukemia Mononuclear	
Intestine Large, Cecum		Leukemia Mononuclear	
Intestine Large, Colon		Leukemia Mononuclear	
Intestine Small, Duodenum		Leukemia Mononuclear	
Intestine Small, Ileum		Leukemia Mononuclear	
Kidney	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 6-12]	
		[Leukemia Mononuclear TGLS = 7-4]	
Lung		Leukemia Mononuclear	
Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-13]	
Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-13]	
Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-13]	
Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 7

SEX: Female

DAY ON TEST: 504

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20277

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
Stomach, Forestomach		Leukemia Mononuclear	
Stomach, Glandular		Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8+14]			
Vagina		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 7

SEX: Female

DAY ON TEST: 608

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lung	Lymph Node, Bronchial	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
Brain		Compression	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
		Degeneration	Marked
[Degeneration TGLS = 2-11]			
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-4]			
Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 698

HISTO: 20279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Larynx	Lymph Node, Bronchial	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Compression	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		Degeneration	Marked
		[Degeneration TGLS = 3-11]	
Heart		Cardiomyopathy	Mild
Intestine Large, Colon		Parasite Metazoan	
Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 6,8-4+13]	
		[Hepatodiaphragmatic Nodule TGLS = 7-4]	
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
		[Infiltration Cellular TGLS = 1-7]	
Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 4-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 715	TRT#: 7	SEX: Female	DAY ON TEST: 698
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20279

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
Brain		Compression	
Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-7]			
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 2-4]			
Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 716	TRT#: 7	SEX: Female	DAY ON TEST: 735
	DOSE: 625 PPM	DISP: Terminal Sacrifice	HISTO: 20280

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 7

SEX: Female

DAY ON TEST: 536

DOSE: 625 PPM

DISP: Natural Death

HISTO: 20281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Islets, Pancreatic
Lung	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

AUTO PRECLUDES DIAG.

Intestine Small, Ileum	Intestine Small, Jejunum
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OBSERVATIONS

Bone		Hyperostosis	
Eye		Cataract	Mild
Kidney		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:19
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 718

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 5-7]			
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-11]			
Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 4-2]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 469

HISTO: 20283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Lymph Node, Bronchial	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Bone		Hyperostosis	
Eye		Cataract	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,6-12]	
Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,6-12]	
Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,6-12]	
Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,6-12]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 7-13]	
Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:19

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 7

SEX: Female

DAY ON TEST: 469

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20283

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3-8]

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-11]

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Bone	Clitoral Gland	Esophagus
Intestine Large, Cecum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach, Forestomach	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Medulla		Hyperplasia	Mild
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Moderate
Intestine Large, Colon		Parasite Metazoan	
Intestine Large, Rectum		Parasite Metazoan	
Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatocellular Carcinoma TGLS = 2-13]			
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20284

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-12]

Stomach, Glandular

Mineralization

Mild

Thyroid Gland

C Cell

Carcinoma

C Cell

Hyperplasia

Mild

Tongue

Epithelium

Hyperplasia

Moderate

[Hyperplasia TGLS = 4-15]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 721

TRT#: 7

SEX: Female

DAY ON TEST: 698

DOSE: 625 PPM

DISP: Natural Death

HISTO: 20285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

AUTO PRECLUDES DIAG.

Intestine Small, Jejunum

OBSERVATIONS

Eye		Cataract	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
Liver		Basophilic Focus	
		Hemangiosarcoma	
		Mixed Cell Focus	
		Necrosis	Focal, Mild
	[Hemangiosarcoma TGLS = 3-12]		
	[Mixed Cell Focus TGLS = 4-13]		
Lung	Alveolar Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 7

SEX: Female

DAY ON TEST: 702

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach, Forestomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Minimal
Intestine Small, Duodenum		Necrosis	Moderate
[Necrosis TGLS = 7-6]			
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
	Centrilobular	Necrosis	Mild
[Fatty Change TGLS = 5-4]			
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 6-6]			
Mammary Gland		Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
Skin		Basosquamous Tumor Malignant	
[Basosquamous Tumor Malignant TGLS = 1-13]			
Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 9-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 7

SEX: Female

DAY ON TEST: 702

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20286

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 723

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone		Hyperostosis	
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Inflammation	Chronic Active, Moderate
		Squamous Cell Papilloma	
[Inflammation TGLS = 1-12]			
[Squamous Cell Papilloma TGLS = 2-13]			
Stomach, Forestomach		Inflammation	Suppurative, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 668

HISTO: 20288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Eye
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial
Lymph Node, Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node, Mediastinal	Thymus
-------------------------	--------

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-7]			
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 5-5]			
Larynx		Mineralization	Minimal
Liver		Angiectasis	Mild
		Hepatocellular Carcinoma	
		Leukemia Mononuclear	
[Hepatocellular Carcinoma TGLS = 6-4]			
[Leukemia Mononuclear TGLS = 7-4]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 7

SEX: Female

DAY ON TEST: 668

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20288

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland

[Fibroadenoma TGLS = 8-12]

Fibroadenoma

Pituitary Gland

Pars Distalis

Adenoma

Spleen

[Leukemia Mononuclear TGLS = 3,4-13+14]

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 7

SEX: Female

DAY ON TEST: 478

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Larynx	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach, Forestomach	Stomach, Glandular	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
Lung		Leukemia Mononuclear	
Lymph Node, Bronchial		Leukemia Mononuclear	
Lymph Node, Mandibular		Leukemia Mononuclear	
Lymph Node, Mediastinal		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Cortex		Metaplasia	Osseous, Moderate
		Vacuolization Cytoplasmic	Mild
Brain		Compression	
Clitoral Gland		Inflammation	Chronic Active, Minimal
Eye	Retina	Atrophy	Mild
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Moderate
Larynx		Inflammation	Chronic Active, Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Hepatocellular Carcinoma TGLS = 7-13+14+15]		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLS = 2-3]		
Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLS = 1-17]		
	[Fibroadenoma TGLS = 4-12+16]		
Ovary		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLS = 5-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20290

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland
[Adenoma TGLS = 3-8]

Pars Distalis

Adenoma

Spleen

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lung	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
Clitoral Gland		Hyperplasia	Mild
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 2-4]			
[Hepatocellular Carcinoma TGLS = 4-12]			
Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 1-14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-13]			
Pancreas		Basophilic Focus	
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 727

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20291

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 685

HISTO: 20292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach, Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-11]			
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2,7-13]			
Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2,7-13]			
Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2,7-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 685

HISTO: 20292

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Mediastinal

[Leukemia Mononuclear TGLS = 3-2,7-13]

Leukemia Mononuclear

Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 3-2,7-13]

Leukemia Mononuclear

Pancreas

Leukemia Mononuclear

Pituitary Gland

[Leukemia Mononuclear TGLS = 4-8]

Leukemia Mononuclear

Spleen

[Leukemia Mononuclear TGLS = 5-12]

Leukemia Mononuclear

Stomach, Glandular

Leukemia Mononuclear

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 729

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4+11]			
Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 730

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lung	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Moderate
Brain		Compression	
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Moderate
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
[Basophilic Focus TGLS = 5-4]			
[Hepatocellular Adenoma TGLS = 6-4]			
Mesentery	Fat	Necrosis	Mild
		Polyarteritis	Moderate
[Necrosis TGLS = 7-13]			
[Polyarteritis TGLS = 8-12]			
Ovary		Cyst	
[Cyst TGLS = 2-7]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
Spleen		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 730

TRT#: 7
DOSE: 625 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 20294

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 4-4]

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
Adrenal Medulla		Pheochromocytoma Benign	
Bone		Hyperostosis	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatocellular Carcinoma	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Hepatocellular Carcinoma TGLS = 7,8-4+15]	
		[Leukemia Mononuclear TGLS = 6-4]	
Lung		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12+13]	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		[Hyperplasia TGLS = 3-8]	
Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 731	TRT#: 7	SEX: Female	DAY ON TEST: 735
	DOSE: 625 PPM	DISP: Terminal Sacrifice	HISTO: 20295

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-14]		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-14]		
Thyroid Gland	C Cell	Adenoma
	C Cell	Carcinoma
[Carcinoma TGLS = 2-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 7

SEX: Female

DAY ON TEST: 587

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Larynx	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
Lung		Leukemia Mononuclear	
Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
		[Infiltration Cellular TGLS = 1-7]	
Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-8]	
Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 733

HISTO: 20297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Larynx	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Hemangiosarcoma	Metastatic (Liver)
		Hyperplasia	Minimal
[Hemangiosarcoma TGLS = 9-5]			
Adrenal Medulla		Hyperplasia	Minimal
Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 5,10-14]			
Eye	Retina	Degeneration	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
		Hemangiosarcoma	
	Centrilobular	Hepatocellular Carcinoma	
		Necrosis	Mild
[Fatty Change TGLS = 4-4]			
[Hemangiosarcoma TGLS = 2-12+13]			
[Hepatocellular Carcinoma TGLS = 2-12+13]			
Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 7-3]			
Lymph Node, Bronchial		Hemorrhage	Mild
[Hemorrhage TGLS = 6-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20297

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 3-8]

Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 8-4]

Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 734

TRT#: 7

SEX: Female

DAY ON TEST: 672

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Esophagus	Eye	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Cortex		Necrosis	Mild
Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 8-7]			
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
		Hemangiosarcoma	
		Necrosis	Focal, Minimal
[Fatty Change TGLS = 2-4]			
[Hemangiosarcoma TGLS = 1-12]			
Lung		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 3,4-3]			
Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 7-2]			
Nose		Inflammation	Suppurative, Minimal
Ovary		Granulosa-Theca Tumor Benign	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 734

TRT#: 7

SEX: Female

DAY ON TEST: 672

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20298

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
[Hemorrhage TGLS = 1-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 7

SEX: Female

DAY ON TEST: 625

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node, Bronchial
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2,3,6-12]			
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Renal	Hemorrhage	Minimal
[Hemorrhage TGLS = 4-13]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Minimal
Heart		Cardiomyopathy	Moderate
Intestine Large, Colon		Cyst	
[Cyst TGLS = 4-12]			
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 3-4]			
Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Hemorrhage	Moderate
Lymph Node, Mediastinal			
[Hemorrhage TGLS = 1-2]			
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 737

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20301

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 7

SEX: Female

DAY ON TEST: 677

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large, Cecum	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Uterus	

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
Brain		Compression	
Eye	Retina	Atrophy	Minimal
Heart		Cardiomyopathy	Mild
Intestine Large, Colon		Parasite Metazoan	
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 1-4]			
Lung	Alveolar Epith	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
Eye	Retina	Atrophy	Minimal
	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Mild
Intestine Large, Rectum		Parasite Metazoan	
Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4,6-4]		
Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 2-3]		
Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,5-12+13+14]		
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3,7-8]		
Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 739

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20303

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 587

HISTO: 20304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Brain	Clitoral Gland
Esophagus	Eye	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	Moderate
		[Leukemia Mononuclear TGLS = 8,11,10-4+13]	
		[Regeneration TGLS = 9-4]	
Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3,4-3]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,7-4,15-6,1-7,14-14]	
		[Leukemia Mononuclear TGLS = 2-2,7-4,15-6,1-7,14-14]	
Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,7-4,15-6,1-7,14-14]	
Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 7

SEX: Female

DAY ON TEST: 587

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20304

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2,7-4,15-6,1-7,14-14]			
Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,7-4,15-6,1-7,14-14]			
Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,7-4,15-6,1-7,14-14]			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 5,16-8]			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 664

HISTO: 20305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Eye	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Brain		Compression	
Heart		Leukemia Mononuclear	
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Mild
		Mineralization	Minimal
Note: ALL LESIONS IN POUCH IN LEVEL II.			
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 1-4]			
Lung		Leukemia Mononuclear	
Lymph Node, Bronchial		Leukemia Mononuclear	
Lymph Node, Mandibular		Leukemia Mononuclear	
Lymph Node, Mediastinal		Leukemia Mononuclear	
Lymph Node, Mesenteric		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 741	TRT#: 7	SEX: Female	DAY ON TEST: 664
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20305

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Hemorrhage TGLS = 5-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3,4-11]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus			

Note: TGL3-UTERINE MASS-& TGL4-MESENTERY MASS-WERE ONE LESION.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 7

SEX: Female

DAY ON TEST: 363

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Lung		Hemorrhage	Minimal
Pancreas	Acinus	Atrophy	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 7

SEX: Female

DAY ON TEST: 611

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large, Cecum
Intestine Large, Colon	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

INSUFFICIENT TISSUE

Intestine Large, Rectum

OBSERVATIONS

Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
Lung		Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 5-3]			
Mammary Gland		Carcinoma	
[Carcinoma TGLS = 4-12]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 745

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Eye	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
Adrenal Medulla		Hyperplasia	Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Hepatodiaphragmatic Nodule	
		[Hepatocellular Adenoma TGLS = 3-13]	
		[Hepatocellular Carcinoma TGLS = 3,4-12+15]	
		[Hepatodiaphragmatic Nodule TGLS = 2-14]	
Lung		Hemorrhage	Minimal
Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-16]	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 745

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20309

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 746

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Uterus			

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 1-7]			
Eye		Cataract	Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3,5-12+4]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-3]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 746

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 625 PPM

DISP: Terminal Sacrifice

HISTO: 20310

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Moderate

Urinary Bladder

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial
Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Kidney	Renal Tubule	Degeneration Nephropathy	Mild Mild
Larynx		Inflammation Mineralization	Chronic Active, Minimal Minimal
Liver		Basophilic Focus Clear Cell Focus Eosinophilic Focus	
Lung		Hemorrhage Inflammation	Minimal Chronic Active, Minimal
Pituitary Gland [Hyperplasia TGLS = 1-8]	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus [Polyp Stromal TGLS = 2-11]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 748

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 716

HISTO: 20312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Rectum
Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal	Lymph Node, Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Large, Cecum	Intestine Large, Colon	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Pancreas	Pituitary Gland
Spleen	Stomach, Forestomach		

OBSERVATIONS

Eye	Cataract	Mild
	Degeneration	Marked
Heart	Cardiomyopathy	Mild
Kidney	Nephropathy	Minimal
Larynx	Inflammation	Chronic Active, Minimal
	Mineralization	Minimal
Liver	Basophilic Focus	
	Sarcoma	
[Sarcoma TGLS = 3-12]		
Lung	Sarcoma	Metastatic (Liver)
Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 4-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 749

TRT#: 7
DOSE: 625 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 454
HISTO: 20313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
Larynx		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-4]			
Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 4-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 750

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 477

HISTO: 20314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Eye	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Clitoral Gland		Inflammation	Chronic Active, Minimal
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-12]		
	[Leukemia Mononuclear TGLS = 5-4]		
Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
Lymph Node, Bronchial		Leukemia Mononuclear	
Lymph Node, Mandibular		Leukemia Mononuclear	
Lymph Node, Mediastinal		Leukemia Mononuclear	
Lymph Node, Mesenteric		Leukemia Mononuclear	
Ovary		Cyst	
	[Cyst TGLS = 3-7]		
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 750	TRT#: 7	SEX: Female	DAY ON TEST: 477
	DOSE: 625 PPM	DISP: Moribund Sacrifice	HISTO: 20314

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach, Glandular		Leukemia Mononuclear Necrosis	Minimal
[Leukemia Mononuclear TGLS = 9-14] [Necrosis TGLS = 8-13]			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 751

TRT#: 7

SEX: Female

DAY ON TEST: 544

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lymph Node, Bronchial	Lymph Node, Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Eye	Cornea	Mineralization	Minimal
Heart		Cardiomyopathy	Minimal
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Larynx		Mineralization	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 1,6-4+13]			
[Regeneration TGLS = 5-12]			
Lung		Leukemia Mononuclear	
Lymph Node, Mediastinal		Leukemia Mononuclear	
Lymph Node, Mesenteric		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15]			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-8]			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 751

TRT#: 7

SEX: Female

DAY ON TEST: 544

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20315

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 752

TRT#: 7

SEX: Female

DAY ON TEST: 589

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach, Forestomach	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 4-15]			
Lung		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 1,2,8,9-3+12+13+14]			
Lymph Node, Bronchial		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 6,7-8]			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 753

TRT#: 7

SEX: Female

DAY ON TEST: 454

DOSE: 625 PPM

DISP: Scheduled Sacrifice

HISTO: 20317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 754

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 674

HISTO: 20318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Hemorrhage	Minimal
Heart		Leukemia Mononuclear	
Intestine Small, Ileum		Leukemia Mononuclear	
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
		[Leukemia Mononuclear TGLS = 4,9-4+13]	
Lung		Leukemia Mononuclear	
Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2,2-3]	
Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2,2-3]	
Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 754

TRT#: 7

SEX: Female

DAY ON TEST: 674

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20318

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2,2-3] Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2,2-3] Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-14] Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-15] Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-8] Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-12] Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 755

TRT#: 7

SEX: Female

DAY ON TEST: 652

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20319

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 757

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lymph Node, Mediastinal	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Cortex		Leukemia Mononuclear	
Adrenal Medulla		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Cataract	Minimal
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Lymph Node, Bronchial		Leukemia Mononuclear	
Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 757

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 625 PPM

DISP: Moribund Sacrifice

HISTO: 20321

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Mesenteric

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-8]

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-12]

Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 759 **TRT#:** 7 **SEX:** Female **DAY ON TEST:** 581
DOSE: 625 PPM **DISP:** Moribund Sacrifice **HISTO:** 20323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone Marrow	Clitoral Gland	Esophagus
Eye	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Lung	Lymph Node, Bronchial	Lymph Node, Mandibular	Lymph Node, Mediastinal
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach, Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Marked
[Hyperplasia TGLS = 4-5]			
Bone		Hyperostosis	
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
		Mitotic Alteration	Moderate
[Fatty Change TGLS = 3-4]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
Stomach, Forestomach		Acanthosis	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 760

TRT#: 7

DOSE: 625 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 20324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Larynx	Lymph Node, Bronchial	Lymph Node, Mandibular
Lymph Node, Mediastinal	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Degeneration	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
	[Nephropathy TGLS = 3-5]		
Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
	[Angiectasis TGLS = 5,7-4]		
	[Hepatocellular Carcinoma TGLS = 6-14]		
	[Hepatodiaphragmatic Nodule TGLS = 4-13]		
Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
Pancreas	Acinus	Atrophy	Minimal
		Basophilic Focus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 760	TRT#: 7	SEX: Female	DAY ON TEST: 735
	DOSE: 625 PPM	DISP: Terminal Sacrifice	HISTO: 20324

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
Skin [Inflammation TGLS = 1-12]		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 901

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 653

HISTO: 20145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	
[Hyperostosis TGLS = 2-12]			
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
[Cataract TGLS = 5-11]		Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Fibrosis	Mild
[Fibrosis TGLS = 16-17]		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 15-16]			
* Intestine Small, Jejunum		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 12-15]			
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Leukemia Mononuclear	

Note: LIVER, MASS, RT KIDNEY, DIAPHRAGM ADHERED GROSSLY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 901	TRT#: 8	SEX: Female	DAY ON TEST: 653
	DOSE: 1250 PPM	DISP: Moribund Sacrifice	HISTO: 20145

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9,10-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Stomach, Glandular		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 13-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS	Abdominal, Fat	Hemangiosarcoma	Metastatic (Tissue Nos)
[Hemangiosarcoma TGLS = 7-13,10-4]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 902

TRT#: 8

SEX: Female

DAY ON TEST: 639

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Mild
	Cornea	Cataract	Mild
		Mineralization	Minimal
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Marked
		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 903

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
Eye		Cataract	Moderate
	Retina	Degeneration	Mild
[Cataract TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 6-15]			
[Mixed Cell Focus TGLS = 5,7-4+14]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Skin		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 903

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20147

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 1-12]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 8-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 904

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 579

HISTO: 20148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
Eye		Cataract	Moderate
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 3,4-4]			
[Regeneration TGLS = 5-12]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 904

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20148

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-4]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 905

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-14]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-13]			
* Ovary		Cyst	
[Cyst TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 905

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20149

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 1-8]

Pars Distalis

Adenoma

* Spleen
[Leukemia Mononuclear TGLS = 2-12]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 906

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
Note: DEGEM SAME AS MALES EXCEPT LESS REGEN IN AFFECTED TUBULES.			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 907

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Eye		Cataract	Moderate
	Retina	Degeneration	Minimal
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-4]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 908

TRT#: 8

SEX: Female

DAY ON TEST: 576

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye		Cataract	Mild
[Cataract TGLS = 1-11]			
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 7,8-4+13]			
[Regeneration TGLS = 9,10-14+15]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 908

TRT#: 8

SEX: Female

DAY ON TEST: 576

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20152

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-17,6-16]

* Lymph Node, Mediastinal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-17,6-16]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-17,6-16]

* Nose

Inflammation

Suppurative, Minimal

* Pancreas

Acinus

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3,4-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-12]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 909

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 2-4]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 910

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	
Eye		Cataract	Moderate
	Retina	Degeneration	Minimal
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 910

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20154

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 911

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 1250 PPM

DISP: Natural Death

HISTO: 20155

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 912

TRT#: 8

SEX: Female

DAY ON TEST: 481

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye		Cataract	Minimal
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Kidney	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Hyperplasia	Oncocytic, Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6,8-7,4-2]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6,8-7,4-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 912

TRT#: 8

SEX: Female

DAY ON TEST: 481

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20156

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 6-6,8-7,4-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-6,8-7,4-2]		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 1-11]		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 3-2]		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 913

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 1-4]			
* Lung		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 914

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Clear Cell Focus TGLS = 1-11]		
* Lung		Hemorrhage	Minimal
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 915

TRT#: 8

SEX: Female

DAY ON TEST: 461

DOSE: 1250 PPM

DISP: Natural Death

HISTO: 20159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Mammary Gland | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Embolus Bacterial | |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-5] | | |
| * Adrenal Medulla | | Embolus Bacterial | |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-5] | | |
| * Brain | | Embolus Bacterial | |
| | | Leukemia Mononuclear | |
| Eye | | Cataract | Moderate |
| | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Moderate |
| | | Embolus Bacterial | |
| | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| * Kidney | Renal Tubule | Degeneration | Minimal |
| | | Embolus Bacterial | |
| | | Leukemia Mononuclear | |
| * Liver | | Embolus Bacterial | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 915

TRT#: 8

SEX: Female

DAY ON TEST: 461

DOSE: 1250 PPM

DISP: Natural Death

HISTO: 20159

ORGAN AND ACCOUNTABLE SITE STATUS

	Centrilobular	Leukemia Mononuclear Necrosis	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Embolus Bacterial	
		Leukemia Mononuclear	
* Nose		Thrombosis	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 916

TRT#: 8

SEX: Female

DAY ON TEST: 572

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye		Cataract	Moderate
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Angiectasis	Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Angiectasis TGLS = 4-4]	
		[Leukemia Mononuclear TGLS = 5-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-6,7-13]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-6,7-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-2,8-6,7-13]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 916

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 572

HISTO: 20160

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2,8-6,7-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2,8-6,7-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 917

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	
Eye	Retina	Atrophy	Minimal
		Cataract	Moderate
	[Cataract TGLS = 1-11]		
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Moderate
		Hyperplasia	Atypical, Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	Mild
	[Leukemia Mononuclear TGLS = 4-4]		
	[Regeneration TGLS = 6-4]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
	[Adenoma TGLS = 2-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 917	TRT#: 8	SEX: Female	DAY ON TEST: 734
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 20161

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 918

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Moderate
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 4-4]			
[Regeneration TGLS = 7-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 918

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20162

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12+15]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 919

TRT#: 8

SEX: Female

DAY ON TEST: 603

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	
Eye		Cataract	Moderate
	Retina	Degeneration	Minimal
	[Cataract TGLS = 6-11]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Angiectasis TGLS = 3-4]		
	[Mixed Cell Focus TGLS = 4-12]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Renal	Hemorrhage	Mild
	[Hemorrhage TGLS = 5-14]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 1-7]		
* Nose		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 919

TRT#: 8

SEX: Female

DAY ON TEST: 603

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20163

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-13]

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 920

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Oncocytic, Minimal
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 1-11]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-12]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 921

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Mild
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Carcinoma	
	Renal Tubule	Degeneration	Moderate
		Nephropathy	Moderate
[Carcinoma TGLS = 5-5]			
[Nephropathy TGLS = 4-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 921	TRT#: 8	SEX: Female	DAY ON TEST: 734
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 20165

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]

* Spleen		Angiectasis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 922

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	
Eye		Cataract	Mild
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	
[Cyst TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 922

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20166

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-13]

* Skin

Subcut Tiss

Neurofibroma

[Neurofibroma TGLS = 2-14]

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 923

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Mild
		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Mild
		[Hepatocellular Adenoma TGLS = 8-4]	
		[Leukemia Mononuclear TGLS = 10-4+13]	
		[Regeneration TGLS = 11-13]	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 923

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20167

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7,5-2,3-15,9-17]			
[Leukemia Mononuclear TGLS = 2-7,5-2,3-15,9-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7,3-15,9-17,5-2]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7,5-2,3-15,9-17]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7,5-2,3-15,9-17]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4-14+16]			
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 924

TRT#: 8

SEX: Female

DAY ON TEST: 678

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	
Eye		Cataract	Mild
	Retina	Degeneration	Minimal
[Cataract TGLS = 5-11]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Angiectasis TGLS = 2-4]			
[Hepatocellular Adenoma TGLS = 4-12]			
[Hepatodiaphragmatic Nodule TGLS = 3-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 924

TRT#: 8

SEX: Female

DAY ON TEST: 678

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20168

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 1-8]

Pars Distalis

Adenoma

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 925

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
		Degeneration	Marked
Note: MARKED DEGENERATION UNILATERAL			
[Cataract TGLS = 1-11]			
[Degeneration TGLS = 2-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 5-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 925	TRT#: 8	SEX: Female	DAY ON TEST: 727
	DOSE: 1250 PPM	DISP: Moribund Sacrifice	HISTO: 20169

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,8-4+13]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 926

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 433

HISTO: 20170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Leukemia Mononuclear	
Eye	Cataract	Mild
* Heart	Leukemia Mononuclear	
* Int Lg Colon		
Note: TGL3-COLON MASS-ACTUALLY LEUKEMIC MESENTERIC LN.		
* Kidney	Leukemia Mononuclear	
	Nephropathy	Minimal
	Mineralization	Minimal
* Larynx	Leukemia Mononuclear	
* Liver	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13,4-2]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13,4-2]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13,4-2]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13,4-2]		
Mesentery	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]		
* Pancreas	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 926	TRT#: 8	SEX: Female	DAY ON TEST: 433
	DOSE: 1250 PPM	DISP: Natural Death	HISTO: 20170

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma
		Leukemia Mononuclear
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-11]		
* Stomach, Forestomach		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-8,5-8]		
* Stomach, Glandular		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-8,5-8]		
* Thymus		Leukemia Mononuclear
* Thyroid Gland		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 927

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|--------------|--|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Minimal |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Degeneration | Minimal |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Larynx | | Inflammation | Chronic Active, Mild |
| | | Mineralization | Minimal |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Marked |
| | | Fatty Change | Minimal |
| | Bile Duct | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | | [Hepatodiaphragmatic Nodule TGLS = 2-12] | |
| | | [Leukemia Mononuclear TGLS = 3-4] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Lumbar | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 4-13] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 927

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20171

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular

[Leukemia Mononuclear TGLS = 4-13]

Leukemia Mononuclear

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 4-13]

Leukemia Mononuclear

* Ovary

Granulosa-Theca Tumor Benign

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 5-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-4]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 928

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

Eye		Cataract	Mild
	Retina	Degeneration	Mild
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4,5-4]			
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 929

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

Eye		Cataract	Moderate
	Retina	Degeneration	Minimal
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Carcinoma	
	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Marked
		Leukemia Mononuclear	
		Nephropathy	Mild
[Carcinoma TGLS = 5-12+13]			
* Larynx		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6-4+14]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 929

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20173

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Mineralization

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 930

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus	Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
Eye		Cataract	Moderate
	Retina	Degeneration	Minimal
[Cataract TGLS = 3-11]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Mild
[Nephropathy TGLS = 8-5]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
		Leukemia Mononuclear	
[Carcinoma TGLS = 5-3]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 930

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20174

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 10-12+14]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-8]

* Skin

Inflammation

Chronic Active, Moderate

[Inflammation TGLS = 1-13]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-4]

* Thyroid Gland

C Cell

Carcinoma

C Cell

Hyperplasia

Minimal

[Carcinoma TGLS = 4-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 931

TRT#: 8

SEX: Female

DAY ON TEST: 509

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye		Cataract	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2,7-6,6-4]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2,7-6,6-4]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2,7-6,6-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2,7-6,6-4]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 931	TRT#: 8	SEX: Female	DAY ON TEST: 509
	DOSE: 1250 PPM	DISP: Moribund Sacrifice	HISTO: 20175

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 932

TRT#: 8

SEX: Female

DAY ON TEST: 378

DOSE: 1250 PPM

DISP: Natural Death

HISTO: 20176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Astrocytoma Nos	
[Astrocytoma Nos TGLS = 4-1]			
Eye		Cataract	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
* Lym Node Mesen			
Note: TGL5-DARK MESENTERIC LN-NORMAL MICROSCOPICALLY.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Uterus		Cyst	
[Cyst TGLS = 2,3-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 933

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 518

HISTO: 20177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia Hypertrophy	Mild Minimal
[Hyperplasia TGLS = 4-5]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy Cataract Degeneration	Marked Moderate Moderate
Note: DEGENERATION UNILATERAL.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration Nephropathy	Mild Mild
* Larynx		Inflammation Metaplasia Mineralization	Chronic Active, Mild Squamous, Minimal Minimal
Note: FOREIGN BODY (HAIR,FEED) IN VENTRAL POUCH.			
* Liver		Basophilic Focus Fatty Change Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 933	TRT#: 8 DOSE: 1250 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 518 HISTO: 20177
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 934

TRT#: 8

SEX: Female

DAY ON TEST: 635

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Marked
	Cornea	Mineralization	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 3-5]	
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 934

TRT#: 8

SEX: Female

DAY ON TEST: 635

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20178

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3]

* Lymph Node, Bronchial

Leukemia Mononuclear

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Ovary

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Spleen

Leukemia Mononuclear

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-4]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 935

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
* Clitoral Gland		Hyperplasia	Marked
Eye	Retina	Atrophy	Minimal
		Cataract	Moderate
		[Cataract TGLS = 2-11]	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Marked
		[Nephropathy TGLS = 6-5]	
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
		[Angiectasis TGLS = 7-4]	
* Lung		Inflammation	Chronic Active, Minimal
		[Inflammation TGLS = 4-13]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 8-14]	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 935

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20179

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]

* Skin Keratoacanthoma

[Keratoacanthoma TGLS = 1-12]

* Thymus Cyst

* Thyroid Gland C Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 936

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 531

HISTO: 20180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone	Vertebra	Osteosarcoma	
[Osteosarcoma TGLS = 12-15]			
Eye		Cataract	Moderate
* Kidney	Renal Tubule	Degeneration	Mild
	Pelvis	Dilatation	Moderate
		Nephropathy	Minimal
[Dilatation TGLS = 14-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 5,6,7-4+11+12]			
* Lung		Hemorrhage	Minimal
		Osteosarcoma	Metastatic (Bone)
[Hemorrhage TGLS = 1-3]			
[Osteosarcoma TGLS = 2,13-3]			
Lymph Node	Iliac	Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 15-16]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 936

TRT#: 8

SEX: Female

DAY ON TEST: 531

DOSE: 1250 PPM

DISP: Natural Death

HISTO: 20180

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 4,16-13+14]

* Pituitary Gland

Pars Distalis

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 937

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Mixed Tumor Malignant	
		Nephropathy	Minimal
	[Mixed Tumor Malignant TGLS = 2-5]		
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 4-11]		
* Lung		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-12]		
* Nose		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	[Hyperplasia TGLS = 1-8]		
* Skin			
	Note: TGL3-SKIN MASS-WAS ACTUALLY MAMMARY GLAND.		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 938

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 939

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 1-4]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 3-3]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-11]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 940

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 583

HISTO: 20184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Eye		Cataract	Moderate
[Cataract TGLS = 4-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2,3-12]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2,1-3,8-7,7-6+13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2,1-3,8-7,7-6+13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2,1-3,8-7,7-6+13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2,1-3,8-7,7-6+13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 940

TRT#: 8

SEX: Female

DAY ON TEST: 583

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20184

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-2]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Trachea

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 941

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 621

HISTO: 20185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye		Cataract	Moderate
	Retina	Degeneration	Minimal
[Cataract TGLS = 1-11]			
* Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 6-4]			
[Mixed Cell Focus TGLS = 5,7-4]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 941	TRT#: 8	SEX: Female	DAY ON TEST: 621
	DOSE: 1250 PPM	DISP: Moribund Sacrifice	HISTO: 20185

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 942

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 610

HISTO: 20186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-7]			
Eye		Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 6,7-5]			
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Metaplasia	Osseous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2,3-14+12]			
Vagina		Polyp	
[Polyp TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 943

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 621

HISTO: 20187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 8-7]			
Eye		Cataract	Mild
	Cornea	Mineralization	Minimal
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Fatty Change	Minimal
		Leukemia Mononuclear	
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14,6-13,1-2]			
[Leukemia Mononuclear TGLS = 7-14,6-13,1-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 943

TRT#: 8

SEX: Female

DAY ON TEST: 621

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20187

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 7-14,6-13,1-2]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 7-14,6-13,1-2]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 7-14,6-13,1-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-14,6-13,1-2]		Leukemia Mononuclear	
* Ovary [Leukemia Mononuclear TGLS = 5-7]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy Basophilic Focus	Minimal
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 944

TRT#: 8

SEX: Female

DAY ON TEST: 6

DOSE: 1250 PPM

DISP: Accidentally Killed

HISTO: 20188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone [Fracture TGLS = 2-9]	Turbinate	Fracture	
* Nose [Inflammation TGLS = 1-9]	Nares	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 945

TRT#: 8

SEX: Female

DAY ON TEST: 439

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye		Hemorrhage	Moderate
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Intestine Small, Duodenum			
	[Leukemia Mononuclear TGLS = 8-6]		
* Kidney	Renal Tubule	Degeneration	Mild
	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-4,10-11]		
* Lung		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-16]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 945	TRT#: 8	SEX: Female	DAY ON TEST: 439
	DOSE: 1250 PPM	DISP: Moribund Sacrifice	HISTO: 20189

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-12]			
[Leukemia Mononuclear TGLS = 4,5,6-12+13]			
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-14]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-17]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 946

TRT#: 8

SEX: Female

DAY ON TEST: 608

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 947

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
		Carcinoma	
* Clitoral Gland			
[Carcinoma TGLS = 1-7]			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
[Cataract TGLS = 6-11]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Angiectasis TGLS = 4,5-4+14]			
[Hepatocellular Carcinoma TGLS = 3-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 947

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20191

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 2-12]

* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Glandular		Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 948

TRT#: 8

SEX: Female

DAY ON TEST: 594

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Tibia	Leukemia Mononuclear	
[Fracture TGLS = 6-11]		Fracture	
Eye		Cataract	Mild
[Cataract TGLS = 1-15]			
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Leukemia Mononuclear TGLS = 5-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Necrosis TGLS = 3,4-13+14]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 948

TRT#: 8

SEX: Female

DAY ON TEST: 594

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20192

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-12]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 949

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
			[Cataract TGLS = 2-11]
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Moderate
			[Nephropathy TGLS = 6-5]
* Larynx		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	Moderate
			[Leukemia Mononuclear TGLS = 7-4]
			[Regeneration TGLS = 8,9,10-4+12]
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 949	TRT#: 8	SEX: Female	DAY ON TEST: 734
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 20193

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 4-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 950

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 3-7]			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Larynx		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 7-13]			
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 950

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20194

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

[Fibroadenoma TGLS = 4-12]

Fibroadenoma

* Pituitary Gland

[Hyperplasia TGLS = 2-8]

Pars Distalis

Hyperplasia

Marked

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 951

TRT#: 8

SEX: Female

DAY ON TEST: 538

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Eye		Cataract	Mild
	Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 3-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 951	TRT#: 8	SEX: Female	DAY ON TEST: 538
	DOSE: 1250 PPM	DISP: Moribund Sacrifice	HISTO: 20195

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-11]

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 952

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Hepatocellular Carcinoma TGLS = 3-12]	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-13]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 952	TRT#: 8	SEX: Female	DAY ON TEST: 734
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 20196

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 7-13]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-13]		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 5,6-14]		Fibroadenoma	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 953

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Uterus			

MISSING

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
[Cataract TGLS = 4-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Hyperplasia	Oncocytic, Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 953

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20197

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Hyperplasia

Marked

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-12]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 954

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy	Minimal
		Cataract	Moderate
[Cataract TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 4-4]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Degeneration	Moderate
	Renal Tubule	Hyperplasia	Oncocytic, Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
[Angiectasis TGLS = 5-4]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 954

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20198

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 955

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-3]			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 956

TRT#: 8

SEX: Female

DAY ON TEST: 504

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Eye	Retina	Degeneration	Minimal
* Kidney	Renal Tubule	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11+12]		
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Stomach, Forestomach		Acanthosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 957

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 372

HISTO: 20201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye			
Note: TGL1-PALE EYES SECONDARY TO LEUKEMIA;NOT VISIBLE ON MICRO.			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Regeneration	Mild
		[Leukemia Mononuclear TGLS = 10-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3+11]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-2,7-12,9-13,8-6]	
		[Leukemia Mononuclear TGLS = 3-2,7-12,9-13,8-6]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 957

TRT#: 8

SEX: Female

DAY ON TEST: 372

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20201

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-2,7-12,9-13,8-6]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-2,7-12,9-13,8-6]

* Pancreas

Acinus

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

[Hyperplasia TGLS = 5-8]

* Skin

Note: TGL2-YELLOW SKIN=ICTERUS DUE TO LEUKEMIA;

Note: ICTERUS NOT VISIBLE MICROSCOPICALLY.

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-12]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrafluoroethylene
CAS Number: 116-14-3

Date Report Requested: 10/21/2014
Time Report Requested: 14:57:20
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 958

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 1250 PPM

DISP: Scheduled Sacrifice

HISTO: 20202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration	Moderate
		Nephropathy	Minimal
* Larynx		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 1-11]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 2-3]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 959

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 20203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
* Clitoral Gland		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 9-11]			
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 14-5]			
* Larynx		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 959

TRT#: 8

DOSE: 1250 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 20203

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

* Lymph Node, Bronchial

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

* Lymph Node, Mediastinal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-7,5-17,16-16,7-2,15-18,19-6,8-3,3,4-19+13+14,17-]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 11-8]

* Salivary Glands

Leukemia Mononuclear

* Skin

Basosquamous Tumor Malignant

[Basosquamous Tumor Malignant TGLS = 2-20]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 12,13-4+12]

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-2]

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 960

TRT#: 8

SEX: Female

DAY ON TEST: 628

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	
Eye	Retina	Atrophy	Mild
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Metaplasia	Squamous, Mild
Note: INFLAMMATION, METAPLASIA, AND FOOD IN LEVEL III			
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05132-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrafluoroethylene

CAS Number: 116-14-3

Date Report Requested: 10/21/2014

Time Report Requested: 14:57:20

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 960

TRT#: 8

SEX: Female

DAY ON TEST: 628

DOSE: 1250 PPM

DISP: Moribund Sacrifice

HISTO: 20204

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE