

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

C Number:	C93025
Lock Date:	03/22/2006
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	06/23/2008

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 628

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 49915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hemorrhage	Mild
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-5]	Hyperplasia	Minimal
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 2-3]		
* Pituitary Gland		Carcinoma	
	[Carcinoma TGLS = 3-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Eye	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Clear Cell Focus	Minimal
	Periportal	Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 2-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49916

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 49917
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Mild
[Necrosis TGLS = 1-15]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Necrosis	Marked
[Necrosis TGLS = 4-6]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 3-3]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Basal Cell Carcinoma	
		Fibroma	
		Ulcer	Marked
[Basal Cell Carcinoma TGLS = 7-14]			
[Fibroma TGLS = 8-15]			
[Ulcer TGLS = 7-14]			
* Spleen		Hyperplasia	Lymphoid, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 684 HISTO: 49918
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ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-6] * Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 2-9] * Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Necrosis;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 668 HISTO: 49919
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 7-14]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Marked
	Bronchiole, Goblet Cell	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Mucous, Moderate
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolus	Proteinosis	Moderate
[Hyperplasia TGLS = 1-14]			
[Metaplasia TGLS = 1-14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 668
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 49919

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 6-16+17+18+19]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 49920
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy	Mild Minimal Chronic, Marked
[Nephropathy TGLS = 6-7]			
* Liver	Bile Duct Hepatocyte	Hyperplasia Leukemia Mononuclear Regeneration	Moderate Marked
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Congestion Infiltration Cellular Inflammation Leukemia Mononuclear Leukemia Mononuclear	Moderate Histiocyte, Moderate Chronic, Moderate
Lymph Node	Pancreatic		
[Leukemia Mononuclear TGLS = 2-14]			
* Pituitary Gland		Adenoma	
Pleura		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 49920
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	Penis	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-6+14]	Thrombosis	Marked
	[Thrombosis TGLS = 3-6]		
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11,12,13-6+14+15]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-16]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 15-8]		
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLS = 2-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 647 HISTO: 49921
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose Note: photogenic xs3			
* Pituitary Gland [Adenoma TGLS = 14-10]		Adenoma	
* Prostate [Inflammation TGLS = 8-15]		Inflammation	Suppurative, Mild
* Spleen [Leukemia Mononuclear TGLS = 10,16-16]		Leukemia Mononuclear	
* Testes Germinal Epith		Atrophy	Minimal
* Thyroid Gland C Cell		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Nose		Foreign Body	Minimal
		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Inflammation	Suppurative, Marked
		Ulcer	Marked
[Ulcer TGLS = 4-14]			
* Testes	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 591 HISTO: 49922
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ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 3-9]

PRIMARY CAUSE OF DEATH	- Stomach, Forestomach Ulcer
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Malignant	
Note: tgl 12 on slide 7 is isolated malignant pheochromocytoma [Pheochromocytoma Malignant TGLS = 12-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
	Cortex, Renal Tubule	Pigmentation	Marked
* Larynx	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,11-16]			
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 7-10]			
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 10	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 712 HISTO: 49923
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Basal Cell Adenoma TGLS = 8,9,10-17+18+19]		Basal Cell Adenoma	Multiple
* Spleen [Leukemia Mononuclear TGLS = 1-14] [Necrosis TGLS = 3-14]		Leukemia Mononuclear Necrosis	Marked
* Testes [Adenoma TGLS = 5-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus	Multiple, Minimal
	Periportal	Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-15]		
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 2-14]		
* Nose		Foreign Body	Moderate
		Inflammation	Suppurative, Minimal
Oral Mucosa		Hyperplasia	Squamous, Marked
	[Hyperplasia TGLS = 7-17]		
* Pancreas	Acinus	Atrophy	Mild
		Cyst	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 11	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 49924

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Moderate
* Skin	Sebaceous Gl	Adenoma	
	Subcut Tiss	Fibrosarcoma	
	[Adenoma TGLS = 6-16]		
	[Fibrosarcoma TGLS = 1-15]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 3-9]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
	C Cell	Hyperplasia	Marked
Tooth	Epithlm Alvlus	Hyperplasia	Marked
		Malformation	Marked
	[Hyperplasia TGLS = 7-17]		
	[Malformation TGLS = 7-17]		
* Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: CONTROL

DISP: Natural Death

HISTO: 49925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 2-7]		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 3-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Skin [Cyst Epithelial Inclusion TGLS = 1-15]		Cyst Epithelial Inclusion	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------------|----------------|---------------------------|-------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| * Nose | Respirat Epith | Inflammation | Chronic, Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 2-10] | | | |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Skin | | Cyst Epithelial Inclusion | Marked |
| | | Ulcer | Moderate |
| [Cyst Epithelial Inclusion TGLS = 1-14] | | | |
| * Spleen | | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* 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		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 3-14+15]			
* Brain	Cerebrum	Mineralization	Minimal
* Eye		Atrophy	Marked
		Inflammation	Chronic, Moderate
[Atrophy TGLS = 1-13]			
* Kidney		Nephropathy	Chronic, Minimal
* Lung		Osteosarcoma	Metastatic (Bone)
* Pituitary Gland		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Moderate
Mesentery			
[Necrosis TGLS = 4-14]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Skin	Sebaceous GI	Adenoma	
	Subcut Tiss	Hemangiosarcoma	
[Adenoma TGLS = 5-15]			
[Hemangiosarcoma TGLS = 6-16]			
* Testes	Interstit Cell	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49928

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-14+15]		
* Pituitary Gland		Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 2-10]		
* Preputial Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-16]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Mild
* Eye	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Basophilic Focus	Multiple
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Nose		Foreign Body	Moderate
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Skin		Keratoacanthoma	Multiple
[Keratoacanthoma TGLS = 2,3-15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49930

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith

Atrophy

Mild

[Adenoma TGLS = 6-9+17]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 649

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* 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	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	Marked
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 3-15]	
		[Leukemia Mononuclear TGLS = 4-6+15]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-16]	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 1-14]	
* Nose		Foreign Body	Moderate
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 649

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49931

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 2-9+14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Inflammation	Minimal Histiocyte, Minimal Chronic Active, Moderate
* Lymph Node, Bronchial [Inflammation TGLS = 1-3]			
* Lymph Node, Mediastinal [Inflammation TGLS = 1-3]		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Accessory Spleen	Mild
* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Adamantinoma Malignant	

Note: differential diagnoses include basal cell carcinoma originating from sebaceous glands or even Zymbals gland
[Adamantinoma Malignant TGLS = 3-14+15]

PRIMARY CAUSE OF DEATH

- Tooth Adamantinoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49933

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 605

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Mild
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 4-9+16]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: CONTROL

DISP: Natural Death

HISTO: 49935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	Marked
		Hyperplasia	Mild
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 4,5,7-14+15]	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 1-10]	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 22	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Natural Death	DAY ON TEST: 701 HISTO: 49935
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-14]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* 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, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Minimal Mild Chronic, Moderate
* Larynx		Foreign Body Inflammation	Marked Suppurative, Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49936

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 5-16]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Nose		Foreign Body	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-15+16]		
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLS = 2-9]		
	[Atrophy TGLS = 3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 557

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	Moderate
		Hemorrhage	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1,2-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 557
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 49938

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-14]		Necrosis	Marked
[Necrosis TGLS = 4-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Eye	Lens	Cataract	Minimal
	Antr Chamber	Inflammation	Suppurative, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Ulcer	Moderate
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49939

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
Mesentery	Fat	Hemorrhage	Minimal
	[Hemorrhage TGLS = 7-16]		
* Pituitary Gland		Hyperplasia	Marked
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 726
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 49940

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 2-15]			
[Leukemia Mononuclear TGLS = 1,8,9-14+15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 5-9]			
[Atrophy TGLS = 4-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* 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		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 2-13]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple, Minimal
* Nose	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-14+15+16+17+18+19]		
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 3,4-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49941

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Maxilla	Osteosarcoma	
[Osteosarcoma TGLS = 3-11+12]			
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Lymph Node, Bronchial		Inflammation	Chronic, Marked
* Lymph Node, Mediastinal		Inflammation	Chronic, Marked
* Nose		Foreign Body	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic, Moderate
		Ulcer	Marked
[Ulcer TGLS = 5-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 49942

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: CONTROL

DISP: Natural Death

HISTO: 49944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
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OBSERVATIONS

* Brain		Compression	Minimal
		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Lung		Hemorrhage	Mild
* Nose		Foreign Body	Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Mild
	Alveolus	Proteinosis	Mild
[Proteinosis TGLS = 5-14]			
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Thyroid Gland)
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Hemorrhage	Moderate
[Hemorrhage TGLS = 2-15]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Adenoma	
		Cyst	Marked
[Cyst TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49945

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 6-9]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
[Carcinoma TGLS = 4-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|---------------------------------------------|-----------|----------------------------|----------------------|
| * Adrenal Medulla | Bilateral | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant TGLS = 3,4-7] | | | |
| * Brain | | Compression | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Carcinoma | |
| * Kidney | Papilla | Mineralization | Minimal |
| | | Nephropathy | Chronic, Marked |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Galactocele | Marked |
| [Galactocele TGLS = 1-15] | | | |
| Mesentery | | Necrosis | Mild |
| [Necrosis TGLS = 2-16] | | | |
| * Nose | | Foreign Body | Moderate |
| | | Inflammation | Suppurative, Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 5-10] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49946

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 7-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Lymph Node, Bronchial		Angiectasis	Moderate
[Angiectasis TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild
		Malformation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* 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	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Marked
* Liver		Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 6-5]			
* Lymph Node, Bronchial		Ectasia	Marked
[Ectasia TGLS = 1-3]			
* Lymph Node, Mediastinal		Ectasia	Marked
* Lymph Node, Mesenteric		Ectasia	Mild
[Ectasia TGLS = 4-8]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 647
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 49948

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 5-14]	Ulcer	Marked
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PRIMARY CAUSE OF DEATH	- Stomach, Forestomach	Ulcer
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland	Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* 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, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-7]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7+14]			
* Larynx		Foreign Body Inflammation	Marked Suppurative, Minimal
* Liver		Clear Cell Focus Leukemia Mononuclear	Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation Pheochromocytoma Malignant	Histiocyte, Minimal Chronic, Minimal Metastatic (Adrenal Medulla)
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49949

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL

DISP: Natural Death

HISTO: 49950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 2-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
[Hepatodiaphragmatic Nodule TGLS = 1-14]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL

DISP: Natural Death

HISTO: 49950

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 6-15]

* Stomach, Glandular

Ulcer

Marked

[Ulcer TGLS = 4-15]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Liver Necrosis;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Schwannoma Malignant	
[Cyst Epithelial Inclusion TGLS = 1-15]			
[Schwannoma Malignant TGLS = 2-16+17+18]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Interstitial Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 563

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Harderian Gland
* 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
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 1-14+15]			
* Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
* Eye	Cornea	Mineralization	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Osteosarcoma	Metastatic (Bone)
		Ulcer	Marked
[Cyst Epithelial Inclusion TGLS = 3-16]			
[Osteosarcoma TGLS = 1-14+15]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 563

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49952

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 372

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney [Nephropathy TGLS = 2-7]	Nephropathy	Chronic, Mild
* Liver	Clear Cell Focus Vacuolization Cytoplasmic Adenoma	Minimal Mild
* Pituitary Gland [Adenoma TGLS = 1-10]	Inflammation	Suppurative, Minimal
* Prostate	Ulcer	Marked
* Stomach, Forestomach [Ulcer TGLS = 3-14]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
		Leukemia Mononuclear	
* Nose		Foreign Body	Moderate
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLS = 1-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	[Adenoma TGLS = 3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49954

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------|--------------------|---------------------------|-------------------|
| * Adrenal Cortex | | Hyperplasia | Marked |
| | | Vacuolization Cytoplasmic | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Clear Cell Focus | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | Periportal | Inflammation | Chronic, Minimal |
| * Lung | Bronchiole, Glands | Degeneration | Mucoid, Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 1-10] | | | |
| * Prostate | | Inflammation | Suppurative, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* 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	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain		Hemorrhage	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
		Regeneration	Marked
	[Leukemia Mononuclear TGLS = 4-6]		
	[Regeneration TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 1-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49956

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Marked
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
		Ulcer	Marked
	[Fibroma TGLS = 1-16+17+18]		
	[Ulcer TGLS = 1-16+17+18]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 647
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 49957

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-15]		Leukemia Mononuclear	
* Testes	Germinal Epith	Atrophy	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		
CONTRIBUTORY CAUSE OF DEATH	- Skin Ulcer		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 563

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Minimal
		Vacuolization Cytoplasmic	Mild
Mesentery		Hemorrhage	Mild
[Hemorrhage TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Multiple, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Preputial Gland		Cyst	Mild
		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-9]			
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 2-9]			
* Urinary Bladder		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49959

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 530

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: CONTROL

DISP: Natural Death

HISTO: 49961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
		Hemorrhage	Moderate
* Eye	Sclera	Metaplasia	Osseous, Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: CONTROL

DISP: Natural Death

HISTO: 49961

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: CONTROL

DISP: Natural Death

HISTO: 49963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Accessory Spleen	
		Hemorrhage	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 593
	DOSE: CONTROL	DISP: Natural Death	HISTO: 49963

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 5-9]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Hemorrhage	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
* Eye	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex, Renal Tubule	Hyperplasia	Marked
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 7-7]		
* Liver		Angiectasis	Marked
		Hepatodiaphragmatic Nodule	Marked
		Infarct	Marked
		Necrosis	Marked
	[Hepatodiaphragmatic Nodule TGLS = 5-15]		
	[Necrosis TGLS = 4,5,6,8,9-6+14+15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Note: ncl for tgl 2 on slides 4 and 5; suspect depletion of blood flow to lungs related to liver infarct.		
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 1-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50214

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Marked
* Stomach, Forestomach		Erosion	Marked
* Testes	Germinal Epith	Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Infarct; Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Lens	Cataract	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 2-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50215

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
	Periportal	Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Moderate
		Mineralization	Mild
[Atrophy TGLS = 1-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50216

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Eye	Cornea	Inflammation	Suppurative, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
	Periportal	Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Metaplasia	Osseous, Moderate
	[Fibrosarcoma TGLS = 1-15+16+17+18]		
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50217

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx | * Lung | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|----------------------------|----------------|------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Chronic, Moderate |
| [Nephropathy TGLS = 3-7] | | | |
| * Liver | | Clear Cell Focus | Multiple, Minimal |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 1-10] | | | |
| * Preputial Gland | | Cyst | Moderate |
| | | Hyperplasia | Moderate |
| [Cyst TGLS = 2-14] | | | |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Testes | Germinal Epith | Atrophy | Minimal |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50218

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Marked
[Clear Cell Focus TGLS = 3-6+14]			
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Mild
* Pituitary Gland		Adenoma	
* Spleen		Fibrosis	Moderate
		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-6]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
[Adenoma TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50220

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-6]			
* Kidney		Nephropathy	Chronic, Marked
* Mammary Gland		Galactocele	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50221

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 30 PPM

DISP: Natural Death

HISTO: 50222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
		Cyst	Marked
[Cyst TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
		Mineralization	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 633

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-16]			
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2,3-14]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Mild
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
			[Alveolar/Bronchiolar Carcinoma TGLS = 2,7-5+15]
Mesentery		Necrosis	Moderate
			[Necrosis TGLS = 1,5-14]
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
			[Adenoma TGLS = 6-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50224

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 4-9]			
[Atrophy TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 212	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 50225

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 3,4-9+14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 696

HISTO: 50226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Hemorrhage	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Lung		Hemorrhage	Moderate
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 2-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 4-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Larynx		Foreign Body	Marked
* Liver		Clear Cell Focus	Marked
[Clear Cell Focus TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
* Preputial Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Schwannoma Malignant	Multiple
[Schwannoma Malignant TGLS = 2,3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Basal Cell Carcinoma	
		Fibroma	
		Hyperkeratosis	Moderate
[Basal Cell Carcinoma TGLS = 1-15]			
[Fibroma TGLS = 6-17]			
[Hyperkeratosis TGLS = 2-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3,4-9+14]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 215

TRT#: 3
DOSE: 30 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 50228

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 642

HISTO: 50229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-14]			
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 4-14]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 590

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Periportal	Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Mineralization	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule	Hyperplasia	Oncocytic, Marked
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Lym Node Media			
	Note: No corresponding lesion for tgl 6 on slide 3.		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 1-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Suppurative, Minimal
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 218	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 50231
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 2-9]			
[Atrophy TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-7]		
* Liver		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 6-14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 5-4]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:46
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 219	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 50232
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 4-3]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 513

DOSE: 30 PPM

DISP: Natural Death

HISTO: 50233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Epididymis |
| * Esophagus | * Harderian Gland | * 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, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|--------------------------------------------|----------------|----------------------------|------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant TGLS = 4-15] | | | |
| * Brain | | Hemorrhage | Marked |
| [Hemorrhage TGLS = 5-14] | | | |
| * Eye | Lens | Cataract | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| * Testes | Interstit Cell | Adenoma | |
| | Germinal Epith | Atrophy | Mild |
| [Adenoma TGLS = 3-9] | | | |

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:46

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:46

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
		Carcinoma	
Note: the islet cell CA is on slide 14, the islet cell adenoma is on slide 8.			
		[Carcinoma TGLS = 8-14]	
* Kidney		Nephropathy	Chronic, Moderate
		[Nephropathy TGLS = 2-7]	
* Liver		Clear Cell Focus	Multiple, Minimal
		Hepatodiaphragmatic Nodule	Marked
		[Hepatodiaphragmatic Nodule TGLS = 1-14]	
* Lymph Node, Mediastinal		Angiectasis	Marked
		[Angiectasis TGLS = 7-14]	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 222	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 50235
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3,6-6] * Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 4-9] [Atrophy TGLS = 5-9] * Thyroid Gland Tooth	C Cell	Hyperplasia Inflammation	Minimal Suppurative, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* 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, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Mild
* Liver		Clear Cell Focus	Multiple, Mild
[Clear Cell Focus TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15+16+17]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Marked
* Skin		Ulcer	Marked
[Ulcer TGLS = 1-14+15+16+17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50237

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Mild
		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 4-14]		
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibrosis	Mild
	[Fibrosis TGLS = 1-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50238

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Epithelium

Hyperplasia

Minimal

[Hyperplasia TGLS = 6-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 563

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Harderian Gland	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Minimal
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Moderate
	Cornea	Degeneration	Minimal
	Cornea	Mineralization	Minimal
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 563

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50239

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	Mild
		Hemorrhage	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Schwannoma Benign	
[Schwannoma Benign TGLS = 4-15]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 227	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 50240

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 716

HISTO: 50241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-16]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-15]	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 6-16]	
* Pituitary Gland		Hyperplasia	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50241

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	[Hyperplasia TGLS = 10-10] [Leukemia Mononuclear TGLS = 10-10]	Subcut Tiss	Cyst Epithelial Inclusion Fibroma	Marked
* Spleen	[Cyst Epithelial Inclusion TGLS = 5-15] [Fibroma TGLS = 1-14]		Leukemia Mononuclear Necrosis	Marked
* Testes	[Leukemia Mononuclear TGLS = 3-14] [Necrosis TGLS = 4-14]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
* Thyroid Gland	[Adenoma TGLS = 7-9] [Carcinoma TGLS = 2-3]	Follicular Cel	Carcinoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Multiple, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Prostate		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic, Mild
		Keratoacanthoma	
	[Inflammation TGLS = 3-16]		
	[Keratoacanthoma TGLS = 1-15]		
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 229	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 50242

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]

[Atrophy TGLS = 2-9]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 582

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Marked Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Minimal Histiocyte, Minimal
* Pituitary Gland		Adenoma	
* Skin		Cyst Epithelial Inclusion	Marked
	[Cyst Epithelial Inclusion TGLS = 4-16]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-14+15]		
* Testes	Interstitial Cell Germinal Epith	Adenoma Atrophy	Mild
	[Adenoma TGLS = 5-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule	Adenoma	
		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Bronchial		Ectasia	Marked
[Ectasia TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50244

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 1-14]

Tooth

Inflammation

Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 729

HISTO: 50245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Intestine Large, Colon
* Mammary Gland
* Prostate
* Testes
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Rectum
* Pancreas
* Salivary Glands
* Thymus

* Bone Marrow
* Harderian Gland
* Islets, Pancreatic
* Parathyroid Gland
* Seminal Vesicle
* Thyroid Gland

* Brain
* Intestine Large, Cecum
* Larynx
* Preputial Gland
* Stomach, Forestomach
* Trachea

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex
* Eye
* Heart

Lens
Ventricle
Atrium

Hyperplasia
Cataract
Inflammation
Thrombosis

Moderate
Moderate
Suppurative, Marked
Marked

Note: bacterial colonies in lumen of ventricles

* Kidney

Inflammation
Nephropathy

Suppurative, Moderate
Chronic, Marked

Note: bacterial colonies in renal tubules.

* Liver

Leukemia Mononuclear
Vacuolization Cytoplasmic
Leukemia Mononuclear

Minimal

* Lung

[Leukemia Mononuclear TGLS = 3-14]

* Lymph Node, Mediastinal

* Lymph Node, Mesenteric

Leukemia Mononuclear
Leukemia Mononuclear
Necrosis

Marked

[Leukemia Mononuclear TGLS = 6-18]

[Necrosis TGLS = 6-18]

* Nose

Olfactory Epi

Degeneration

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 232	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 729 HISTO: 50245
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-10]	Olfactory Epi	Hyperplasia Adenoma	Basal Cell, Moderate
* Skin [Cyst Epithelial Inclusion TGLS = 1-17]		Cyst Epithelial Inclusion	Marked
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 7-16]		Erosion	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	Pleura
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-13]		
* Intestine Small, Ileum	Muscularis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-14]		
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 3-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50246

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland		Metaplasia	Minimal
[Adenoma TGLS = 5-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 2-9]			
[Atrophy TGLS = 3-9]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50247

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
	[Leukemia Mononuclear TGLS = 6-7]		
	[Pheochromocytoma Malignant TGLS = 6-7]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus	Marked
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 5-15]		
	[Leukemia Mononuclear TGLS = 7-14]		
* Lung		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 50248
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 4-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
* Thyroid Gland [Carcinoma TGLS = 2-3]	C Cell	Carcinoma	
Tongue [Hyperplasia TGLS = 1-14]	Epithelium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hemorrhage	Marked
[Hemorrhage TGLS = 2-10]			
* Skin		Osteosarcoma	
[Osteosarcoma TGLS = 1-14]			
* Spleen		Accessory Spleen	Mild
[Accessory Spleen TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 5-9]			
[Atrophy TGLS = 6-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization Nephropathy	Minimal Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Pigmentation	Hemosiderin, Moderate
[Pigmentation TGLS = 4-14]			
* Lymph Node, Bronchial		Hemorrhage Pigmentation	Mild Hemosiderin, Mild
[Hemorrhage TGLS = 2-14]			
[Pigmentation TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50250

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland	Acinus	Atrophy	Marked
[Adenoma TGLS = 6-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Pigmentation	Hemosiderin, Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Eye	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Thymus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 239

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 500

HISTO: 50252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Inflammation	Suppurative, Minimal
* Pituitary Gland		Cyst	Marked
[Cyst TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 2-14]			
[Necrosis TGLS = 3-14]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239

TRT#: 3
DOSE: 30 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 500
HISTO: 50252

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Cyst;Spleen Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 563

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Interstitial	Fibrosis	Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Nose	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland		Cyst	Marked
[Cyst TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pancreas		Metaplasia	Minimal
[Cyst TGLS = 3-14]		Cyst	Marked
* Pituitary Gland		Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50254

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 560

HISTO: 50255

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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
		Hemorrhage	Mild
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx	Respirat Epith	Metaplasia	Squamous, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Hemorrhage;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 560

DOSE: 30 PPM

DISP: Natural Death

HISTO: 50255

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO: 50256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 7-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 8-16]			
* Nose		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 10-10]			
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 243	TRT#: 3	SEX: Male	DAY ON TEST: 722
	DOSE: 30 PPM	DISP: Moribund Sacrifice	HISTO: 50256

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-17]			
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 3,4-14+15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 676

HISTO: 50257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 1-6]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Note: NCL for tgl 4 on slide 15			
[Hemorrhage TGLS = 3-14]			
[Infiltration Cellular TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 676

DOSE: 30 PPM

DISP: Natural Death

HISTO: 50257

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 663

HISTO: 50258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Marked
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 245	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 663 HISTO: 50258
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-16]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland	Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Marked
* Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Pinna	Neural Crest Tumor	
[Neural Crest Tumor TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50259

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Germinal Epith
C Cell

Atrophy
Hyperplasia

Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Necrosis	Mild
Mesentery [Necrosis TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach [Diverticulum TGLS = 3-10]		Diverticulum	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 6-14]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Necrosis	Marked
* Lung		Hemorrhage	Moderate
		Inflammation	Chronic, Minimal
[Hemorrhage TGLS = 4-4+5]			
* Lymph Node, Mediastinal		Hemorrhage	Marked
[Hemorrhage TGLS = 3,5-3]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7,8,9-9+15+16]			
* Pituitary Gland			
Note: NCL for tgl 10 on slide 10.			
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 248	TRT#: 3 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 715 HISTO: 50261
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy Mesothelioma Malignant	Mild

[Mesothelioma Malignant TGLS = 8,9-9+16]

PRIMARY CAUSE OF DEATH	- Peritoneum Mesothelioma Malignant
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 547

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Clear Cell Focus	Multiple, Mild
	[Clear Cell Focus TGLS = 3-6]		
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 1-3]		
* Nose	Olfactory Epi	Degeneration	Minimal
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 6-14]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Moderate
* Stomach, Forestomach		Inflammation	Suppurative, Marked
		Ulcer	Marked
	[Ulcer TGLS = 5-10]		
* Testes	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 547

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50262

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia

Mild

Tunic

Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 7-15]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
			[Nephropathy TGLS = 2-7]
* Lung	Alveolar Epith	Hyperplasia	Marked
			[Hyperplasia TGLS = 3-4]
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
			[Adenoma TGLS = 1-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 401	TRT#: 5 DOSE: 60 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 50114
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia Inflammation	Mild Suppurative, Mild
* Skin	[Squamous Cell Carcinoma TGLS = 6-15]	Squamous Cell Carcinoma	
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
	[Adenoma TGLS = 5-9] [Atrophy TGLS = 4-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 537

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Brain		Compression	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 547

HISTO: 50116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Marked
* Heart		Cardiomyopathy	Mild
Note: neutrophilic leucocytosis in lumen of all vessels			
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Deep Cervical	Ectasia	Moderate
[Ectasia TGLS = 2-3]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Mineralization	Mild
* Pituitary Gland		Adenoma	
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-15+16]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-14]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 547

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50116

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50117

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
Lymph Node	Pancreatic	Ectasia	Marked
Note: tgl 3 was pancreatic, not renal LN. [Ectasia TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Suppurative, Marked
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50117

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-15]

* Testes

Interstit Cell

Adenoma

Germinal Epith

Atrophy

Mild

[Adenoma TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung		Hemorrhage	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Hemorrhage TGLS = 5-4+5]		
* Lymph Node, Bronchial		Angiectasis	Marked
	[Angiectasis TGLS = 4-14]		
Mesentery		Necrosis	Minimal
	[Necrosis TGLS = 1-15]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 2,3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50118

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-4+5]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 724

HISTO: 50120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Eye	Lens	Cataract	Marked
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-14]			
* Kidney		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
[Alveolar/Bronchiolar Adenoma TGLS = 3-5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 724

HISTO: 50120

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Basal Cell Carcinoma TGLS = 1-16]	Basal Cell Carcinoma	
* Spleen	Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 6-16]	Ulcer	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-7]			
* Kidney		Nephropathy	Chronic, Marked
Mesentery		Necrosis	Mild
[Necrosis TGLS = 1-16]			
* Nose		Adenoma	Tubular
	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50121

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 623

HISTO: 50122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Periportal	Hepatodiaphragmatic Nodule	Marked
		Inflammation	Chronic, Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Hyperplasia TGLS = 3-5]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50123

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Thyroid Gland	C Cell	Adenoma	
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 619

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
[Vacuolization Cytoplasmic TGLS = 2-6]			
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLS = 3-14]			
* Seminal Vesicle		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 619

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50125

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Brain		Compression	Marked
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	Antr Chamber	Edema	Marked
	[Cataract TGLS = 5-13]		
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex, Renal Tubule	Adenoma	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-7]		
* Lung	Mediastinum	Fibrosis	Moderate
	Alveolar Epith	Hyperplasia	Marked
	Mediastinum	Hyperplasia	Lymphoid, Focal, Mild
	Note: mediastinal lesion on slide 3.		
	[Hyperplasia TGLS = 1-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 413	TRT#: 5 DOSE: 60 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 50126
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ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland [Adenoma TGLS = 6-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Skin [Keratoacanthoma TGLS = 7-16]		Keratoacanthoma	
* Testes [Adenoma TGLS = 2-9] [Atrophy TGLS = 3-9]	Interstit Cell Germinal Epith Artery	Adenoma Atrophy Inflammation	Moderate Chronic Active, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Bronchiole, Glands	Degeneration	Mucoid, Moderate
		Inflammation	Chronic, Moderate
	Alveolar Epith	Metaplasia	Mucous, Moderate
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolus	Proteinosis	Moderate
[Alveolar/Bronchiolar Carcinoma TGLS = 2-5]			
* Lymph Node, Mesenteric		Fibrosis	Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 414

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 50127

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 614

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-7]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Note: Possible early phase of olfactory degeneration; cleft in basal lamina.		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Pancreas
* Parathyroid Gland	Pleura	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Brain		Compression	Marked
* Eye	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Liver		Vacuolization Cytoplasmic	Mild
* Lung	Mediastinum	Fibrosis	Mild
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Spleen		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50130

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 6=NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-7]		
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolus	Proteinosis	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Mild
* Pituitary Gland		Hyperplasia	Marked
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 418	TRT#: 5 DOSE: 60 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 50131
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2,3-9+14]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 438

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
	[Accumulation, Hyaline Droplet TGLS = 2-7]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Inflammation	Chronic Active, Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-15]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 625

HISTO: 50133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Complex TGLS = 2-14]		Pheochromocytoma Complex	
* Brain		Hemorrhage	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
* Liver Note: TGL 2 is adrenal tumor, not liver.			
* Lung		Pheochromocytoma Complex	Metastatic (Adrenal Medulla)
* Prostate		Inflammation	Suppurative, Minimal
* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Complex

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-16]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50134

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Adenoma

C Cell

Hyperplasia

Minimal

Tongue

Epithelium

Hyperplasia

Moderate

[Hyperplasia TGLS = 5-17]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 719

HISTO: 50135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLS = 3-7]		Hyperplasia	Marked
* Adrenal Medulla		Infiltration Cellular	Lymphocyte, Moderate
* Brain		Compression	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Infiltration Cellular	Lymphocyte, Moderate
	Papilla	Mineralization	Minimal
	Artery	Necrosis	Moderate
		Nephropathy	Chronic, Marked
* Liver	Periportal	Inflammation	Chronic, Moderate
* Lung		Inflammation	Chronic, Minimal
	Artery	Mineralization	Mild
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Metaplasia	Moderate
	Olfactory Epi	Mineralization	Mild
Note: very photogenic nose lesion in xs3			
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 422

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 719
HISTO: 50135

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-14]

* Testes	Germinal Epith Artery	Atrophy Inflammation	Marked Chronic Active, Marked
* Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 640

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
	Alveolar Epith	Metaplasia	Mucous, Mild
	Alveolus	Proteinosis	Mild
[Proteinosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50137

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Marked
* Lymph Node, Mediastinal		Ectasia	Mild
[Ectasia TGLS = 5-3]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 3-9+14]			
* Skin		Hyperkeratosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 425	TRT#: 5 DOSE: 60 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 50138
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ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLS = 1-15] [Hyperplasia TGLS = 1-15]		Hyperplasia	Squamous, Marked
* Testes [Adenoma TGLS = 6,7-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* 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
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Lens	Cataract	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-7]			
* Liver		Clear Cell Focus	Multiple, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 4,5-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 7-10]			
* Prostate		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 426	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 60 PPM	DISP: Terminal Sacrifice	HISTO: 50139

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-14]			
[Atrophy TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Multiple, Moderate
[Clear Cell Focus TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Hemorrhage	Marked
[Hemorrhage TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			
* Thymus		Thymoma Benign	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 662

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Mineralization	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 4-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 428

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 662
HISTO: 50141

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 642

HISTO: 50142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7]			
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50142

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 1-14]		
	Mesentery	Necrosis	Minimal
	[Necrosis TGLS = 2-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Testes	Germinal Epith	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 689

HISTO: 50144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Dilatation	Moderate
* Stom Gland			
Note: NCL for tgl 4 on slide 15.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50144

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 3-7]		
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Marked
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus	Multiple, Minimal
* Lung	Interstitium	Fibrosis	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Galactoceles	Marked
	[Galactoceles TGLS = 1-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50145

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Minimal
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 600

HISTO: 50146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Lung		Congestion	Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-16]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-17]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Preputial Gland		Carcinoma	
		Cyst	Marked
[Carcinoma TGLS = 2-14]			
[Cyst TGLS = 2-15]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

SEX: Male

DAY ON TEST: 600

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50146

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 662

HISTO: 50147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* 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	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Minimal
* Kidney		Nephropathy	Chronic, Moderate
Lymph Node			
Note: pancreatic LN on slide 6 is normal; NCL for tgl 5.			
* Lymph Node, Bronchial		Angiectasis	Moderate
[Angiectasis TGLS = 2-3]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 662

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50147

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Carcinoma TGLS = 1-15]

* Spleen

Hematopoietic Cell Proliferation

Marked

* Testes

Note: NCL for tgl 4 on slide 14.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* 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, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-16]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-17+18+19]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 435

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 50148

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Bilateral, C Cell	Adenoma
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 718

HISTO: 50149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign Osteosarcoma	Marked
* Bone [Osteosarcoma TGLS = 6-14]	Cranium	Osteosarcoma	Metastatic (Bone)
* Brain [Osteosarcoma TGLS = 7-1]			
* Eye	Retina Lens Sclera	Atrophy Cataract Metaplasia Cardiomyopathy	Moderate Moderate Osseous, Mild Minimal
* Heart		Adenoma	
* Islets, Pancreatic		Nephropathy	Chronic, Moderate
* Kidney		Foreign Body	Marked
* Larynx		Hyperplasia	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Inflammation Necrosis	Suppurative, Minimal Moderate
Mesentery [Necrosis TGLS = 4-17]			
* Nose	Olfactory Epi Olfactory Epi	Degeneration Hyperplasia	Minimal Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 718

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50149

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Mild
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 5-16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 2,3-9+15]		
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

- Bone Cranium Osteosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Osteosarcoma Bone

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Eye
* Harderian Gland	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Note: pituitary tumor attached to side of medulla is an unusual site for invasion; possibility exists that this is a floater.	
* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 3-7]	
* Liver		Basophilic Focus	Multiple, Minimal
* Lung		Hemorrhage	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		[Hemorrhage TGLS = 5-15]	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Carcinoma	
		[Carcinoma TGLS = 4-10]	
* Preputial Gland		Adenoma	
		Hyperplasia	Marked
		[Hyperplasia TGLS = 1-15]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 437

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 50150

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Lipoma
[Lipoma TGLS = 2-16+17]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 438

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Retina	Atrophy	Minimal
	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-15]			
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver		Clear Cell Focus	Multiple, Mild
	Serosa	Fibrosis	Marked
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 5-15]			
[Fibrosis TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Moderate
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
* Pancreas		Adenoma	
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438	TRT#: 5 DOSE: 60 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 50151
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-10] * Preputial Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9] * Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-9] * Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 621

HISTO: 50152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 439

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 621
HISTO: 50152

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-16]		
* Thyroid Gland	C Cell	Carcinoma
[Carcinoma TGLS = 2-3]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Multiple, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-14+15+16+17+18]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 2-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 50154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Casts	Marked
		Nephropathy	Chronic, Moderate
		[Nephropathy TGLS = 2-7]	
* Liver		Necrosis	Marked
		[Necrosis TGLS = 3-6]	
* Lung	Alveolar Epith Alveolus	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
		Inflammation	Suppurative, Mild
		[Hyperplasia TGLS = 1-3]	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
		Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
Oral Mucosa	Pharyngeal	Fibrosis	Marked
* Prostate		Carcinoma	
		Inflammation	Suppurative, Mild
		[Carcinoma TGLS = 4-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50154

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Atrophy

Mild

Tooth

Inflammation

Suppurative, Marked

PRIMARY CAUSE OF DEATH

- Tooth Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Liver Necrosis;Prostate Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* 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	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: NCL for tgl 9 on slide 5.			
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8+16]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 8-17]		
* Nose	Olfactory Epi	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50155

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
		Hemorrhage	Moderate
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 4-15]			
[Necrosis TGLS = 5-15]			
* Stomach, Forestomach		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 10-3]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Mild
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 3-5]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Chronic, Minimal
* Pituitary Gland		Metaplasia	Minimal
* Prostate		Hyperplasia	Marked
* Skin	Subcut Tiss	Hyperplasia	Minimal
		Sarcoma	
Note: SQ tumor on sl 15 and 16 contains oval to stellate cells with large nuclei, multiple nucleoli, in thin loose stroma. Looks like myxosarcoma or neural tumor.			
[Sarcoma TGLS = 1-15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 50156

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-9]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 480

DOSE: 60 PPM

DISP: Natural Death

HISTO: 50157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Compression	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 483

HISTO: 50158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Hemorrhage	Marked
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Mineralization	Moderate
Note: nose lesions in dorsal meatus on xs 3			
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 483

DOSE: 60 PPM

DISP: Natural Death

HISTO: 50158

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage;Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 523

HISTO: 50159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
* Liver		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
* Lung		Inflammation	Suppurative, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Mineralization	Mild
* Preputial Gland		Cyst	Marked
	[Cyst TGLS = 1-16]	Hyperplasia	Marked
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Hemorrhage	Marked
	[Hemorrhage TGLS = 1-14+15+16]		
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 3-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50159

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7]			
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Clear Cell Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 447	TRT#: 5 DOSE: 60 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 50160
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]	Artery	Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|---------------------------------------------------------------------------------------|---------------------------|-------------------------|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Basophilic Focus | Minimal |
| * Lymph Node, Mediastinal | | Fibrous Histiocytoma | Metastatic (Skin) |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Moderate |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Mild |
| * Pancreas | | Inflammation | Chronic, Moderate |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 2-10] | | | |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Skin | Subcut Tiss | Fibrous Histiocytoma | |
| Note: diff dx: FB or mammary gland trauma & granulatous inflam in sq and adjacent LN. | | | |
| [Fibrous Histiocytoma TGLS = 3-15+16] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | Germinal Epith | Atrophy | Mild |
| [Adenoma TGLS = 1-9] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50161

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 689

HISTO: 50162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Skin		Hyperkeratosis	Marked
		Hyperplasia	Squamous, Marked
	[Hyperplasia TGLS = 3-14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 449

TRT#: 5
DOSE: 60 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 689
HISTO: 50162

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]	Germinal Epith	Atrophy	Mild
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PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 50163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* 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, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-7]			
* Brain		Compression	Mild
* Eye	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7+14]			
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 5

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 50163

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Artery

C Cell

Inflammation

Adenoma

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 647

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 601

TRT#: 7
DOSE: 120 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 647
HISTO: 50014

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Adenoma
PRIMARY CAUSE OF DEATH	- Pituitary Gland Adenoma	
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 614

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Marked
* Liver	Periportal	Inflammation	Chronic, Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 3-6]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Mineralization	Minimal
* Pancreas	Artery	Inflammation	Marked
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Blood Vessel Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Heart Cardiomyopathy;Pancreas Artery Inflammation;Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 614

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50015

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 566

HISTO: 50016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	Pleura
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	Sclera	Metaplasia	Osseous, Mild
	Cornea	Mineralization	Minimal
[Cataract TGLS = 1-13]			
[Metaplasia TGLS = 2-13]			
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 10-6]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Centrilobular	Degeneration	Moderate
[Degeneration TGLS = 4-6+14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Respirat Epith	Hyperplasia	Minimal
Peritoneum		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 566

HISTO: 50016

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 5,9-14+15]

* Pituitary Gland

Adenoma

* Prostate

Inflammation

Suppurative, Minimal

* Stomach, Glandular

Ulcer

Moderate

[Ulcer TGLS = 12-10]

* Testes

Interstit Cell

Adenoma

Germinal Epith

Atrophy

Moderate

Tunic

Mesothelioma Malignant

[Adenoma TGLS = 11-9]

[Atrophy TGLS = 6-9]

[Mesothelioma Malignant TGLS = 7,8-9+16]

PRIMARY CAUSE OF DEATH

- Peritoneum Mesothelioma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	Periportal	Inflammation	Chronic, Mild
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 3,5-14+15]		
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 4-15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 1-7]		
* Nose	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50017

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Moderate
	[Adenoma TGLS = 2-9]		
	[Hyperplasia TGLS = 2-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Minimal
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 3-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
Pleura		Fibrosis	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 605	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50018

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 1-15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-7]		
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Vacuolization Cytoplasmic	Moderate
* Lung	Artery	Mineralization	Mild
* Lymph Node, Mediastinal		Ectasia	Moderate
	[Ectasia TGLS = 1-3]		
Mesentery		Hemorrhage	Mild
		Necrosis	Moderate
	[Hemorrhage TGLS = 4-15]		
	[Necrosis TGLS = 3-14]		
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 619

HISTO: 50019

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

[Adenoma TGLS = 5-10]

Adenoma

* Skin

[Squamous Cell Papilloma TGLS = 6-15]

Squamous Cell Papilloma

* Testes

Artery

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mesenteric
* Preputial Gland
* Spleen
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Mammary Gland
* Prostate
* Stomach, Forestomach

* Bone Marrow
* Eye
* Intestine Large, Rectum
* Islets, Pancreatic
* Pancreas
* Salivary Glands
* Stomach, Glandular

* Brain
* Harderian Gland
* Intestine Small, Duodenum
* Lymph Node, Mediastinal
* Parathyroid Gland
* Seminal Vesicle
* Trachea

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Thymus

OBSERVATIONS

* Adrenal Cortex
* Heart
* Kidney
* Larynx

* Liver

[Clear Cell Focus TGLS = 5-16]

* Lung
* Nose

* Pituitary Gland

[Cyst TGLS = 4-10]

* Skin

[Basal Cell Carcinoma TGLS = 3-14]

* Testes

Bile Duct

Alveolus
Olfactory Epi
Glands
Olfactory Epi
Olfactory Epi
Pars Intermed

Bilateral, Interstit Cell

Hyperplasia
Cardiomyopathy
Nephropathy
Foreign Body
Inflammation
Clear Cell Focus
Hyperplasia

Foreign Body
Degeneration
Dilatation
Hyperplasia
Metaplasia
Cyst
Hyperplasia

Basal Cell Carcinoma

Adenoma

Minimal
Mild
Chronic, Marked
Marked
Suppurative, Minimal
Multiple, Mild
Mild

Mild
Minimal
Basal Cell, Mild
Minimal
Moderate
Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 607	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50020

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2-9+15]	Germinal Epith	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Larynx
* Liver	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain			
Note: structure in midline ventrally in xs 2 at level of hippocampus is interpreted as normal mamillary body.			
* Harderian Gland		Inflammation	Chronic, Moderate
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-15]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Nose	Olfactory Epi	Degeneration	Moderate
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic, Minimal
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pancreas		Carcinoma	
[Carcinoma TGLS = 3-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50021

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 1,2-9+14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	
	Subcut Tiss	Fibroma	

Note: TGL 2 on slide 15 is two separate tumors; basal cell ca and fibroma

[Basal Cell Adenoma TGLS = 1-14]

[Basal Cell Carcinoma TGLS = 2-15]

[Fibroma TGLS = 2-15]

* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

[Adenoma TGLS = 3-9]

PRIMARY CAUSE OF DEATH - Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50022

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1,2-9+14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50023

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 703

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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INSUFFICIENT TISSUE

* Preputial Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Necrosis	Fatty, Mild
[Necrosis TGLS = 5-14]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Carcinoma	
[Carcinoma TGLS = 6-15]			
* Kidney	Cortex, Renal Tubule	Adenoma	
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 611	TRT#: 7	SEX: Male	DAY ON TEST: 703
	DOSE: 120 PPM	DISP: Moribund Sacrifice	HISTO: 50024

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Fibroma	
	[Cyst Epithelial Inclusion TGLS = 2-14]		
	[Fibroma TGLS = 1-16+17+18]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 3-9]		
	[Atrophy TGLS = 4-9]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 654

HISTO: 50025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy	Minimal Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 4-4+5]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi	Degeneration Hyperplasia Mineralization	Mild Basal Cell, Mild Mild
* Pituitary Gland		Hemorrhage Hyperplasia	Moderate Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 654

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50025

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 1-7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Hemorrhage	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Marked |
| * Liver | | Clear Cell Focus | Multiple, Moderate |
| Mesentery | | Necrosis | Minimal |
| [Necrosis TGLS = 1-14] | | | |
| * Nose | Olfactory Epi | Degeneration | Moderate |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Metaplasia | Mild |
| * Pituitary Gland | | Adenoma | |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | Germinal Epith | Atrophy | Mild |
| [Adenoma TGLS = 2-9] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7+14]			
* Nose	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Moderate
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 615	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50028

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 3-9]	Mineralization	Moderate
[Mineralization TGLS = 3-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 619

HISTO: 50029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Carcinoma	Metastatic (Zymbal'S Gland)
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 4-7]	
* Lung	Alveolar Epith	Hyperplasia	Marked
	Bronchiole	Hyperplasia	Minimal
		[Hyperplasia TGLS = 2-5]	
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Zymbal'S Gland)
		[Carcinoma TGLS = 1-3]	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
		[Adenoma TGLS = 3-9]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50029

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 5-14+15]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi Glands	Degeneration Dilatation	Mild Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Mild
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thymus		Ectopic Thyroid	Mild
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 3-6]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver			
Note: ncl for tgl 5 on slide 6			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-15]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50031

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-14]

[Atrophy TGLS = 7-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 725

HISTO: 50032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 6-7]		
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 5-6]		
* Lung		Histiocytic Sarcoma	
	Bronchiole	Inflammation	Suppurative, Moderate
	[Histiocytic Sarcoma TGLS = 3-14]		
Mesentery	Fat	Hemorrhage	Minimal
		Necrosis	Minimal
	[Hemorrhage TGLS = 9,11,12-16+18+19]		
	[Necrosis TGLS = 11-18]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 10-17]		
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 619	TRT#: 7	SEX: Male	DAY ON TEST: 725
	DOSE: 120 PPM	DISP: Moribund Sacrifice	HISTO: 50032

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]			
* Preputial Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-14]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-18]			
* Stomach, Forestomach		Histiocytic Sarcoma	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
		Histiocytic Sarcoma	
[Adenoma TGLS = 7-9+15]			
[Histiocytic Sarcoma TGLS = 8-15]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-6]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi Glands	Degeneration Dilatation	Mild Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3,4-14+15]			
Pleura		Fibrosis	Minimal
* Preputial Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-14]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50033

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith

Atrophy

Marked

Tunic

Mesothelioma Malignant

[Adenoma TGLS = 7-9]

[Atrophy TGLS = 6-9]

[Mesothelioma Malignant TGLS = 4-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* 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	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Chronic, Marked
Note: atypical hyperplasia is around corticomedullary junction.			
Note: see arrows			
[Nephropathy TGLS = 3-7+14]			
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
	Epiglottis	Metaplasia	Squamous, Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolar Epith	Metaplasia	Mucous, Mild
	Alveolus	Proteinosis	Marked
[Proteinosis TGLS = 1-5]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Marked
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50034

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Acinus	Atrophy	Moderate
[Adenoma TGLS = 2-10]		Adenoma	
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Moderate
* Spleen			
Note: NCL for tgl 4 on slide 6			
* Testes	Germinal Epith	Atrophy	Minimal
[Hyperplasia TGLS = 5-9]	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Pituitary Gland	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-10]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 1-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623

TRT#: 7
DOSE: 120 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 50036

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]	Germinal Epith	Atrophy	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Kidney	Cortex, Renal Tubule	Dilatation	Minimal
	Pelvis, Transit Epithe	Dilatation	Minimal
	Cortex, Renal Tubule	Hyperplasia	Marked
		Nephropathy	Chronic, Marked
* Liver		Hepatodiaphragmatic Nodule	Marked
		Mixed Cell Focus	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 1-14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 4-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50037

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 3-15]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Chronic, Mild

Note: 5 step sections, no change in focal area of hyperplasia, inflammation.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy Basophilic Focus Clear Cell Focus	Minimal Minimal Chronic, Marked Multiple Multiple, Moderate
* Liver			
	[Clear Cell Focus TGLS = 5-6]		
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 3-3]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 7-15]		
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi Olfactory Epi	Degeneration Hyperplasia Inflammation Metaplasia Adenoma	Mild Basal Cell, Moderate Suppurative, Mild Moderate
* Pituitary Gland			
	[Adenoma TGLS = 6-10]		
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50038

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 4-9]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-7]		
* Liver		Clear Cell Focus	Multiple, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi Glands	Degeneration	Moderate
	Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Olfactory Epi	Metaplasia	Moderate
* Pituitary Gland		Mineralization	Minimal
		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 3-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 626

TRT#: 7
DOSE: 120 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 50039

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
[Adenoma TGLS = 4-3]

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 5-7]		
* Islets, Pancreatic		Adenoma	
* Kidney	Cortex, Renal Tubule	Adenoma	
	Cortex, Renal Tubule	Hyperplasia	Marked
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
	Note: See double arrows for adenoma on slide 7.		
	[Nephropathy TGLS = 3-7+15]		
* Liver		Angiectasis	Marked
	[Angiectasis TGLS = 2-14]		
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolar Epith	Metaplasia	Mucous, Marked
	Alveolar Epith	Metaplasia	Squamous, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
	Glands	Dilatation	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50040

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Acinus	Atrophy	Minimal
		Adenoma	
		Hemorrhage	Marked
[Adenoma TGLS = 4-10]			
* Prostate		Inflammation	Suppurative, Mild
* Stom Gland			
Note: ncl for tgl 6 on slide 15			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Minimal
	Periportal	Inflammation	Chronic, Mild
* Lung	Alveolus	Foreign Body	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Moderate
[Proteinosis TGLS = 2,3-14]			
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:47
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 628	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50041

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 586

HISTO: 50042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland	
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 2-6]		
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Clear Cell Focus	Marked
	Centrilobular	Degeneration	Moderate
	[Clear Cell Focus TGLS = 7-6]		
	[Degeneration TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mesothelioma Malignant	
		Hemorrhage	Mild
* Lymph Node, Mediastinal			
	[Hemorrhage TGLS = 6-14]		
* Nose	Olfactory Epi	Degeneration	Minimal
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-15]		
* Pituitary Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 586

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50042

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate

Inflammation

Suppurative, Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Atrophy

Mild

[Adenoma TGLS = 4-9]

PRIMARY CAUSE OF DEATH

- Peritoneum Mesothelioma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:47

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 484

DOSE: 120 PPM

DISP: Natural Death

HISTO: 50043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Metaplasia	Minimal
Note: xs 3			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
		[Vacuolization Cytoplasmic TGLS = 2-6]	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 3-10]	
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Fibroma	
		[Cyst Epithelial Inclusion TGLS = 4-15]	
		[Fibroma TGLS = 5-16]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 687

HISTO: 50044

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Marked
	Periportal	Inflammation	Chronic, Mild
[Clear Cell Focus TGLS = 2-14]			
* Lung	Alveolus	Emphysema	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9+14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 695

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Lens	Cataract	Minimal
	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Int Lg Cecum			
Note: ncl for tgl 4 on slide 8			
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7+14]			
* Liver		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Bronchial		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 1-14]			
* Nose	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 5-15]			
* Stomach, Forestomach		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633	TRT#: 7	SEX: Male	DAY ON TEST: 695
	DOSE: 120 PPM	DISP: Moribund Sacrifice	HISTO: 50046

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 6-10]

* Testes	Artery	Inflammation	Chronic Active, Mild
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PRIMARY CAUSE OF DEATH	- Pituitary Gland Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 674

HISTO: 50047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-7]			
* Liver		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2,8-4+5]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 1-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 634	TRT#: 7	SEX: Male	DAY ON TEST: 674
	DOSE: 120 PPM	DISP: Moribund Sacrifice	HISTO: 50047

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Ulcer TGLS = 7-14]		Ulcer	Marked
* Testes [Adenoma TGLS = 4-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Necrosis	Moderate
Mesentery			
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 635	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50048

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 663

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Pineal Gland	Carcinoma	
[Carcinoma TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
* Liver		Degeneration	Cystic, Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
[Inflammation TGLS = 1-14]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 663

HISTO: 50049

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Brain Pineal Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 1-14]			
* Nose	Olfactory Epi Glands	Degeneration Dilatation	Mild Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Eye	Lens	Cataract	Minimal
* Harderian Gland		Inflammation	Chronic, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Minimal
		Hemorrhage	Minimal
Note: NCL for tgl 2 on slide 14. [Hemorrhage TGLS = 3-15]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 4-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50051

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 5-9]

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	[Adenoma TGLS = 1-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia	Moderate
		Mineralization	Mild
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Lung	Bronchiole, Glands	Alveolar/Bronchiolar Adenoma	
		Degeneration	Mucoid, Mild
		Inflammation	Chronic, Mild
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Moderate
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50053

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Prostate

Inflammation

Suppurative, Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Atrophy

Minimal

[Adenoma TGLS = 2-9]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* 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, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Pleura	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Minimal
	Cornea	Inflammation	Suppurative, Minimal
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Nose	Olfactory Epi Glands	Degeneration	Minimal
	Olfactory Epi	Dilatation	Minimal
	Respirat Epith	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Chronic, Minimal
* Pituitary Gland		Metaplasia	Mild
[Adenoma TGLS = 2-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50054

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 483

DOSE: 120 PPM

DISP: Natural Death

HISTO: 50055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-5]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7+14]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Lipoma	
		Squamous Cell Papilloma	
[Lipoma TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 643	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50056

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 1-15]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 3-9]			
[Atrophy TGLS = 4-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 689

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Mild
[Basophilic Focus TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 645	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50058

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Hyperplasia TGLS = 1-15]	Olfactory Epi	Metaplasia Hyperplasia	Mild Marked
* Prostate		Inflammation	Suppurative, Mild
* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 381

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Nose	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-15]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 120 PPM

DISP: Natural Death

HISTO: 50060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Cranium	Osteosarcoma	
[Osteosarcoma TGLS = 5-14]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Mineralization	Minimal
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 4-9]			
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-15]			

PRIMARY CAUSE OF DEATH

- Bone Cranium Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 641

HISTO: 50061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 1-4+5]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4+5]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Mineralization	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-15]			
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 648	TRT#: 7	SEX: Male	DAY ON TEST: 641
	DOSE: 120 PPM	DISP: Moribund Sacrifice	HISTO: 50061

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-9]	Germinal Epith	Atrophy	Mild
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PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Brain		Compression	Mild
Note: NCL for tgl 6 on slide 1.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Lung		Inflammation	Chronic, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Sebaceous Gl	Adenoma	
[Adenoma TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 1,2-9+14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50062

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 7

DOSE: 120 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 50063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy Clear Cell Focus Hepatodiaphragmatic Nodule	Minimal Minimal Chronic, Marked Mild Marked
* Liver			
	[Clear Cell Focus TGLS = 7-6]		
	[Hepatodiaphragmatic Nodule TGLS = 6-15]		
* Lymph Node, Bronchial		Hemorrhage	Minimal
	[Hemorrhage TGLS = 5-14]		
* Mammary Gland		Carcinoma Fibroadenoma	
	[Carcinoma TGLS = 2-18]		
	[Fibroadenoma TGLS = 10-16]		
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 3,9-14+17]		
* Nose	Olfactory Epi Olfactory Epi Respirat Epith	Degeneration Hyperplasia Inflammation	Mild Basal Cell, Mild Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 650	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50063

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 8-10]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1,11-17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 682

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-14]		
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 2-15]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 49965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 3-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 49966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Clitoral Gland		Cyst	Marked
		Hyperplasia	Marked
[Cyst TGLS = 3-9]			
[Hyperplasia TGLS = 3-9]			
* Lung		Histiocytic Sarcoma	Metastatic (Lymph Node, Mediastinal)
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Histiocytic Sarcoma TGLS = 5,7,8,9-14+15+16+17]			
[Metaplasia TGLS = 8-16]			
* Lymph Node, Mediastinal		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-3]			
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
Note: tgl 6 is focal squamous lesion on palate in section 12.			
[Hyperplasia TGLS = 6-12]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Urin Bladder			
Note: NCL for tgl 4 on slide 10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 103

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 691
HISTO: 49966

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Brain		Compression	Moderate
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLS = 5-14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 104

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 49967

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
[Polyp Stromal TGLS = 3-10]

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 105

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 523

HISTO: 49968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Larynx | * Lung | * 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, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------------------|--------|----------------------|---------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3] | | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Pituitary Gland | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-10] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-14] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 420

HISTO: 49969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Brain	Thrombosis	Marked
* Heart	Cardiomyopathy	Minimal
* Liver	Leukemia Mononuclear	
	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]		
* Spleen	Leukemia Mononuclear	
	Necrosis	Marked
[Leukemia Mononuclear TGLS = 2,4-14]		
[Necrosis TGLS = 3-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Brain Thrombosis;Spleen Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 5-14]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-16+17+18]		
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Uterus		Polyp Stromal	
	Note: Multiple stromal polyps in uterus, tgl 4 and 6, slides 14 and 15.		
	[Polyp Stromal TGLS = 4,6-14+15]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 10-5]		
	[Leukemia Mononuclear TGLS = 3,8,9-14+15+16]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-15]		
* Pituitary Gland		Cyst	Marked
	[Cyst TGLS = 6-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49972

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-14]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Lung | * 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 | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------------|----------------------|------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Papilla | Mineralization | Minimal |
| | | Nephropathy | Chronic, Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-6] | | |
| * Lung | | | |
| | Note: NCL for tgl 3 on slide 14. | | |
| * Pituitary Gland | | Adenoma | |
| | [Adenoma TGLS = 1-10] | | |
| * Spleen | | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 591

HISTO: 49974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Suppurative, Mild
[Hyperplasia TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 628

HISTO: 49975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* 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			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Basophilic Focus	Moderate Chronic, Mild Multiple
* Liver		Infiltration Cellular	Histiocyte, Minimal
* Lung	Alveolus	Hyperplasia Inflammation	Mild Suppurative, Minimal
* Nose	Respirat Epith	Adenoma	
* Pituitary Gland [Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 49976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: tgl 1 was found on step sections 3, 4, and 5 from slide 4, the right lung. Slide 5 is the left lung.			
[Hyperplasia TGLS = 1-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO: 49978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* 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, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Adenoma	
	Hyperplasia	Marked
	Vacuolization Cytoplasmic	Mild
* Brain	Compression	Moderate
	Hemorrhage	Mild
	Carcinoma	
* Clitoral Gland [Carcinoma TGLS = 3-15]		
* Kidney	Nephropathy	Chronic, Minimal
* Larynx	Inflammation	Suppurative, Mild
* Liver	Leukemia Mononuclear	
	Vacuolization Cytoplasmic	Mild
	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 2-14]		
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-8]		
* Pituitary Gland	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 115	TRT#: 2	SEX: Female	DAY ON TEST: 675
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 49978

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-10]

* Spleen

[Leukemia Mononuclear TGLS = 4-14]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
	Pericardium	Fibrosis	Moderate
	Pericardium	Infiltration Cellular	Mixed Cell, Mild
	[Fibrosis TGLS = 3-14]		
	[Infiltration Cellular TGLS = 3-14]		
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Marked
	Alveolus	Pigmentation	Marked
	[Infiltration Cellular TGLS = 6-4+5]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 7-10]		
Pleura		Infiltration Cellular	Histiocyte, Marked
	[Infiltration Cellular TGLS = 1-14]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 5-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49979

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 677

DOSE: CONTROL

DISP: Natural Death

HISTO: 49980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 118

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 522

HISTO: 49981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Cornea	Inflammation	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
[Hyperplasia TGLS = 1-3]			
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 2-7]			
* Ovary		Cyst	Marked
[Cyst TGLS = 4-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Inflammation	Suppurative, Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 6-14+15]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 38

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Liver	Hepatodiaphragmatic Nodule	Marked
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[Hepatodiaphragmatic Nodule TGLS = 2-6]

* Lung

Note: NCL for tgl 3 in slides 4 and 5.

Note: Although heart and lungs are normal microscopically, left ventricle looks grossly like its enlarged, and alveolar septa are slightly thickened.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: Suspect cardiovascular or lymphatic system anomaly based on gross evidence of left ventricular hypertrophy and fluid in chest.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 717

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* 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, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Cyst	Mild
		Hyperplasia	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Multiple, Mild
		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 4-6]
* Pituitary Gland		Adenoma	
			[Adenoma TGLS = 1-10]
* Skin	Subcut Tiss	Inflammation	Chronic, Mild
		Ulcer	Moderate
			[Inflammation TGLS = 2-14]
			[Ulcer TGLS = 2-14]
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hemorrhage	Mild
[Hemorrhage TGLS = 7-7]			
* Clitoral Gland		Hyperplasia	Mild
* Heart	Atrium	Thrombosis	Moderate
* Kidney	Cortex	Infarct	Multiple, Moderate
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
[Infarct TGLS = 9,10-7+15]			
* Liver		Basophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-14]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2-4+5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-15+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49984

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic, Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 49985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Carcinoma	
		Decidual Reaction	Marked

Note: 5 step sections of uterine mass, no change in morphology.

[Carcinoma TGLS = 1-14]

[Decidual Reaction TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 123

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 49986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 5-7]			
* Liver		Angiectasis	Moderate
		Clear Cell Focus	Moderate
[Angiectasis TGLS = 3-6]			
[Clear Cell Focus TGLS = 4-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* 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	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 717

HISTO: 49988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* 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	* Larynx	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone		Squamous Cell Carcinoma	Metastatic (Skin)
[Squamous Cell Carcinoma TGLS = 7-14]			
* Brain		Compression	Marked
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 3-6]			
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-6]			
* Lymph Node, Mediastinal		Angiectasis	Marked
		Inflammation	Chronic, Moderate
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-16]			
[Fibroadenoma TGLS = 1-15]			
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 717

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49988

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

[Adenoma TGLS = 6-10]

Adenoma

* Skin

[Squamous Cell Carcinoma TGLS = 5-17]

Lip

Squamous Cell Carcinoma

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Lip Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49989

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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Compression	Moderate
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 2-14]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 1-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49989

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 127

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 49990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
* Ovary		Cyst	Marked
[Cyst TGLS = 2-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy Basophilic Focus Leukemia Mononuclear	Minimal Chronic, Minimal Multiple, Minimal
* Liver			
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 2-10]		
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 49992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 582

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 49993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
		Hyperplasia	Mild
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	Multiple, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 49994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
	Respirat Epith	Hyperplasia	Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		[Fibrosis TGLS = 1-6]	
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 624

HISTO: 49995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy Basophilic Focus Vacuolization Cytoplasmic Fibroadenoma	Minimal Chronic, Minimal Multiple, Mild Moderate
* Liver			
* Mammary Gland [Fibroadenoma TGLS = 1-14+15+16]			
* Ovary [Cyst TGLS = 2-9]		Cyst	Mild
* Pituitary Gland [Hyperplasia TGLS = 3-10]		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple, Minimal
[Clear Cell Focus TGLS = 2,3-6+14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Inflammation TGLS = 1-5]			
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 4-14]			
* Pituitary Gland		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy Leukemia Mononuclear	Minimal Chronic, Minimal
* Liver [Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Inflammation Leukemia Mononuclear Fibroadenoma	Minimal Histiocyte, Minimal Chronic, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14+15]			
* Pituitary Gland [Adenoma TGLS = 3-10]		Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 49998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Larynx	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Liver		Clear Cell Focus	Multiple, Mild
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 2-15]			
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 4-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Adenoma	
[Adenoma TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 135

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 49998

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 49999

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, Mesenteric

* Mammary Gland

* Nose

* Ovary

* Pancreas

* Parathyroid Gland

* Pituitary Gland

* Salivary Glands

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Thyroid Gland

* Trachea

* Urinary Bladder

* Uterus

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Lymph Node, Mediastinal

* Thymus

OBSERVATIONS

* Harderian Gland

Inflammation

Chronic, Minimal

* Heart

Cardiomyopathy

Minimal

* Kidney

Papilla

Mineralization

Minimal

* Liver

Nephropathy

Chronic, Minimal

Basophilic Focus

Multiple, Minimal

* Lung

Alveolus

Clear Cell Focus

Multiple, Minimal

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 50000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Eye	Retina	Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland		Cyst	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Moderate
		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16+17]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 50002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* 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	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
* Liver		Basophilic Focus	Multiple, Mild
* Lung		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Moderate
[Hemorrhage TGLS = 4,5-4+5]			
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Marked
		Pigmentation	Marked
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1,3-14+15]			
* Pituitary Gland		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 50003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis	Mineralization	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lung		Squamous Cell Carcinoma	Metastatic (Tongue)
[Squamous Cell Carcinoma TGLS = 2-5]			
* Lym Node Bron			
Note: Bronchial LN missing; NCL for tgl 4 on slide 3.			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* 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	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-9]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 697

HISTO: 50005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Eye | * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|------------------------------------|------------|---------------------|-------------------|
| * Adrenal Cortex | Bilateral | Adenoma | |
| * Clitoral Gland | | Hyperplasia | Marked |
| [Hyperplasia TGLS = 7-9] | | | |
| * Esophagus | | Histiocytic Sarcoma | |
| * Heart | | Histiocytic Sarcoma | |
| * Intestine Large, Cecum | | Histiocytic Sarcoma | |
| * Intestine Small, Ileum | | Histiocytic Sarcoma | |
| * Kidney | Papilla | Mineralization | Mild |
| * Larynx | | Histiocytic Sarcoma | |
| * Liver | | Clear Cell Focus | Multiple, Minimal |
| | | Histiocytic Sarcoma | |
| | | Necrosis | Moderate |
| [Histiocytic Sarcoma TGLS = 3-6] | | | |
| * Lung | | Histiocytic Sarcoma | |
| Lymph Node | Pancreatic | Histiocytic Sarcoma | |
| * Lymph Node, Mediastinal | | Histiocytic Sarcoma | |
| * Lymph Node, Mesenteric | | Histiocytic Sarcoma | |
| * Pancreas | Acinus | Atrophy | Moderate |
| | | Histiocytic Sarcoma | |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 1-10] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 697

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 50005

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle [Histiocytic Sarcoma TGLS = 8,9-16+17]		Histiocytic Sarcoma	
* Skin [Histiocytic Sarcoma TGLS = 5,6,10-14+15+18]	Subcut Tiss	Histiocytic Sarcoma	
* Spleen		Histiocytic Sarcoma	
* Thymus		Histiocytic Sarcoma	
* Uterus [Polyp Stromal TGLS = 4-10]		Hemorrhage Polyp Stromal	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Histiocytic Sarcoma;Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 50006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * 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 | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------|--------------------|------------------|----------------------|
| * Adrenal Cortex | | Hemorrhage | Mild |
| | | Hyperplasia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | Papilla | Mineralization | Minimal |
| | | Nephropathy | Chronic, Minimal |
| * Larynx | | Inflammation | Suppurative, Minimal |
| * Liver | | Basophilic Focus | Minimal |
| | | Clear Cell Focus | Minimal |
| * Lung | Bronchiole, Glands | Degeneration | Mucoid, Minimal |
| | | Inflammation | Chronic, Mild |
| Mesentery | | Necrosis | Mild |
| [Necrosis TGLS = 1-7] | | | |
| * Nose | | Foreign Body | Moderate |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 2-10] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: CONTROL

DISP: Natural Death

HISTO: 50007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* 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			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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INSUFFICIENT TISSUE

* Eye

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 680

HISTO: 50008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 1,2-7+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 50009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 4-7]		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 2-10]		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 3-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex [Adenoma TGLS = 3-7]		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactoceles	Minimal
* Ovary [Cyst TGLS = 1-9]		Cyst	Marked
* Pituitary Gland [Adenoma TGLS = 2-10]		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 148

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 681

HISTO: 50011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pituitary Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Marked
* Clitoral Gland	Carcinoma	
[Carcinoma TGLS = 4-15]		
* Kidney	Nephropathy	Chronic, Moderate
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
	Necrosis	Marked
[Leukemia Mononuclear TGLS = 1-14]		
[Necrosis TGLS = 2-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Spleen Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* 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
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 725

HISTO: 50264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* 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	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 2-13]		
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-9+14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 4-7]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50264

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 556

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | Pleura | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------------------------|--------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Hyperplasia | Reticulum Cell, Moderate |
| * Liver | | Basophilic Focus | Multiple |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| * Pituitary Gland | | Cyst | Marked |
| | | Hyperplasia | Mild |
| * Skin | | Basal Cell Carcinoma | |
| | | Ulcer | Marked |
| | | [Basal Cell Carcinoma TGLS = 1-14+15] | |
| | | [Ulcer TGLS = 1-14+15] | |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| * Thyroid Gland | C Cell | Hyperplasia | Marked |

PRIMARY CAUSE OF DEATH

- Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-----------------------------|---------------|----------------|---------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | Olfactory Epi | Metaplasia | Minimal |
| * Pituitary Gland | | Hyperplasia | Mild |
| [Hyperplasia TGLS = 1-10] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 305

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-16]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Minimal
		Sarcoma	Metastatic (Uncertain Primary Site)
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Cervix, Myometrium	Hypertrophy	Marked
[Hypertrophy TGLS = 3-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50268

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 306

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Pancreatic	Erythrophagocytosis	Marked
	Pancreatic	Hemorrhage	Moderate
	[Erythrophagocytosis TGLS = 6-15]		
	[Hemorrhage TGLS = 6-15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3,4-15+16]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50269

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-10]			
* Spleen		Osteosarcoma	
[Osteosarcoma TGLS = 2-14]			
* Stomach, Glandular	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 7-17]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 307

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 438

HISTO: 50270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* 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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex [Necrosis TGLS = 3-7]		Necrosis	Marked
* Heart Note: bacteria in thrombus in left ventricle	Ventricle	Thrombosis	Marked
* Kidney [Nephropathy TGLS = 4-7]		Nephropathy	Chronic, Marked
* Lung [Hemorrhage TGLS = 2-4+5]	Alveolus	Hemorrhage Infiltration Cellular Inflammation	Marked Histiocyte, Moderate Suppurative, Moderate
Mesentery [Necrosis TGLS = 5-14]		Necrosis	Moderate
* Nose	Olfactory Epi	Hyperplasia Adenoma	Basal Cell, Minimal
* Pituitary Gland [Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Heart Ventricle Thrombosis

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Necrosis; Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone			
Note: No corresponding lesion for tgl 5 on slide 14.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3,6,7-15+16+17+18+19+20+21]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50271

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Transit Epithe

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 309

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-17]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50272

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-14+15+16]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
	[Cyst TGLS = 3-9]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 311

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-16]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 311	TRT#: 4 DOSE: 30 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 50274
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ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 3,4-15+16]	C Cell Bilateral	Hyperplasia Polyp Stromal	Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 516

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-14+15]		
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Keratoacanthoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 313

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 1-14]		
* Lung	Alveolus	Proteinosis	Minimal
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 2-4]	Infiltration Cellular	Histiocyte, Marked
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 4-15]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
Oviduct		Cyst	Mild
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 313

TRT#: 4
DOSE: 30 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 50276

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 3-10]

Adenoma

* Uterus
[Leiomyosarcoma TGLS = 5-15]

Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
		Hemorrhage	Marked
[Compression TGLS = 5-1]			
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-14]			
[Fibroadenoma TGLS = 2,6-7+14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50277

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Cyst TGLS = 4-10]

Olfactory Epi

Hyperplasia
Cyst

Basal Cell, Mild
Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Cornea	Inflammation	Suppurative, Minimal
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Mild Minimal Chronic, Minimal
* Liver		Angiectasis Basophilic Focus	Mild Minimal
[Angiectasis TGLS = 3-14]			
* Lung	Bronchiole, Glands Bronchiole	Degeneration Hyperplasia Fibroadenoma	Mucoid, Minimal Minimal
* Mammary Gland			
[Fibroadenoma TGLS = 1-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2,4-14+16]			
* Nose	Olfactory Epi Glands Olfactory Epi Nasolacrim Dct Olfactory Epi	Degeneration Dilatation Hyperplasia Inflammation Metaplasia	Minimal Minimal Basal Cell, Minimal Suppurative, Minimal Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 315	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 50278

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Granulosa Cell Tumor Malignant	
[Granulosa Cell Tumor Malignant TGLS = 2-14]			
* Pituitary Gland		Adenoma	
* Thyroid Gland	C Cell	Carcinoma	
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 317

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-16]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 3-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 1-14]		Carcinoma	
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery [Necrosis TGLS = 2-15]		Necrosis	Moderate
* Nose	Respirat Epith, Turbinate	Adenoma	
	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Thymus		Cyst	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus [Polyp Stromal TGLS = 3-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 319

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Mild Minimal Chronic, Minimal
* Liver	Periportal	Angiectasis Hepatodiaphragmatic Nodule Inflammation Mixed Cell Focus	Marked Marked Chronic, Mild Multiple, Minimal
		[Angiectasis TGLS = 5-14]	
		[Hepatodiaphragmatic Nodule TGLS = 4-7]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 8-17]	
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi Olfactory Epi	Degeneration Hyperplasia Inflammation Metaplasia	Mild Basal Cell, Mild Suppurative, Mild Minimal
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 6-10]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 319	TRT#: 4 DOSE: 30 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 50282
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Basal Cell Carcinoma TGLS = 1-16]		Basal Cell Carcinoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Decidual Reaction	Marked
		Necrosis	Marked
		Sarcoma Stromal	
[Decidual Reaction TGLS = 2,3-15]			
[Sarcoma Stromal TGLS = 2,3-15]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 7=NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 320

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-15+16+17]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		
* Uterus	Endometrium	Carcinoma	
	Endometrium	Hyperplasia	Minimal
	[Carcinoma TGLS = 5-14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Mammary Gland	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------------------|---------------|----------------------|----------------------|
| * Adrenal Cortex | | Adenoma | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Clear Cell Focus | Multiple, Minimal |
| | | Leukemia Mononuclear | |
| [Clear Cell Focus TGLS = 1,2,5,6-14+15+16+17] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 4-10] | | | |
| * Spleen | | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 712

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Marked
		Vacuolization Cytoplasmic	Marked
	[Angiectasis TGLS = 11-14]		
	[Vacuolization Cytoplasmic TGLS = 12-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Mediastinum	Infiltration Cellular	Histiocyte, Marked
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Marked
	Pancreatic	Pigmentation	Moderate
	[Infiltration Cellular TGLS = 10-17]		
* Lymph Node, Bronchial		Infiltration Cellular	Histiocyte, Marked
		Pigmentation	Marked
	[Infiltration Cellular TGLS = 4-15]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3-18+19+20+21]		
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 712

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50286

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

[Hyperplasia TGLS = 7-10]

Hyperplasia

Marked

* Spleen

[Histiocytic Sarcoma TGLS = 8,9-16]

Histiocytic Sarcoma

* Uterus

[Polyp Stromal TGLS = 5-17]

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Spleen Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy Fibroadenoma	Mild Mild Chronic, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-14+15+16]			
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi Olfactory Epi	Degeneration Hyperplasia Inflammation Metaplasia Adenoma	Mild Basal Cell, Mild Suppurative, Minimal Mild
* Pituitary Gland [Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Retina	Atrophy	Minimal
	Lens	Cataract	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Mild
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
	[Cyst TGLS = 1-9]		
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 326

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-9]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 327

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Intestine Large, Rectum		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 3-15]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Minimal
* Pituitary Gland		Hyperplasia	Basal Cell, Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Hyperplasia	Minimal
	Endometrium	Hemorrhage	Marked
		Hyperplasia	Mild
		Necrosis	Marked
[Hemorrhage TGLS = 2-10]			
[Necrosis TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50290

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 328

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-6]			
* Kidney	Papilla	Mineralization	Minimal
[Nephropathy TGLS = 3-7]		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 329

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 474

HISTO: 50292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Liver		Basophilic Focus	Multiple
		Histiocytic Sarcoma	
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mediastinal		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3-3]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
* Skin	Subcut Tiss	Hemorrhage	Moderate
[Hemorrhage TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Lymph Node, Mediastinal Histiocytic Sarcoma

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 330

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Marked Histiocyte, Mild
[Hyperplasia TGLS = 6-5]			
* Mammary Gland		Fibroadenoma	Multiple
Note: tissue on slide 14 from TGL 4 is basically normal functioning mammary gland, with cystic areas.			
[Fibroadenoma TGLS = 1,3,4-14+15+16+17]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi	Degeneration Hyperplasia Metaplasia	Mild Basal Cell, Mild Minimal
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50294

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
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Minimal Minimal Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi Respirat Epith Olfactory Epi	Degeneration Hyperplasia Inflammation Inflammation Metaplasia	Mild Basal Cell, Mild Suppurative, Minimal Chronic, Minimal Minimal
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolus	Inflammation	Chronic, Minimal
		Proteinosis	Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
* Pituitary Gland		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50295

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 196

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Renal Tubule	Dilatation	Marked
Mesentery		Necrosis	Mild
[Necrosis TGLS = 3-15]			
Spinal Cord		Oligodendroglioma Malignant	

Note: oligodendroglioma vs. ependymoma; chose former because latter is not available on TDMS.

PRIMARY CAUSE OF DEATH

- Spinal Cord Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 334

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 651

HISTO: 50297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-14+15]		

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 30 PPM

DISP: Natural Death

HISTO: 50298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 5,6,7-14]			
[Leukemia Mononuclear TGLS = 4-14]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 30 PPM

DISP: Natural Death

HISTO: 50298

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------|---------------|----------------------------------|--------------------------|
| * Bone Marrow | | Hyperplasia | Reticulum Cell, Moderate |
| * Eye | Retina | Atrophy | Minimal |
| * Larynx | | Foreign Body | Marked |
| * Liver | | Basophilic Focus | Multiple, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-15] | | | |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | Olfactory Epi | Metaplasia | Minimal |
| * Ovary | | Cyst | Marked |
| [Cyst TGLS = 3-9] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Uterus | | Necrosis | Marked |
| | | Polyp Stromal | |
| [Polyp Stromal TGLS = 2-14] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 338

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 339

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Inflammation TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-7]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 340

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-13]		
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|----------------------------------|---------------|---------------------------|---------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Minimal |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLS = 2-9+15] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | Multiple, Minimal |
| | | Clear Cell Focus | Mild |
| Note: NCL for tgl 5 on slide 7. | | | |
| [Clear Cell Focus TGLS = 4-14] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14] | | | |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Metaplasia | Minimal |
| * Uterus | Bilateral | Polyp Stromal | |
| [Polyp Stromal TGLS = 3-10] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 342

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 528

HISTO: 50305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
		Hemorrhage	Marked
* Kidney	Papilla	Mineralization	Minimal
* Liver		Clear Cell Focus	Moderate
		Hepatodiaphragmatic Nodule	Marked
	Periportal	Inflammation	Chronic, Mild
	[Clear Cell Focus TGLS = 5-7]		
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
* Pancreas		Inflammation	Chronic, Mild
* Pituitary Gland		Carcinoma	
	[Carcinoma TGLS = 3-10]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 708

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 50307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Brain		Compression	Marked
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 3-15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 345

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* 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	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-13]		
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Moderate
		Hepatodiaphragmatic Nodule	Marked
	[Clear Cell Focus TGLS = 4-15]		
	[Hepatodiaphragmatic Nodule TGLS = 5-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,6-14+15]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50308

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Multiple, Mild
[Clear Cell Focus TGLS = 2,3-14+15]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Inflammation	Moderate Histiocyte, Mild Chronic, Mild
	Alveolus	Proteinosis	Minimal
* Nose	Olfactory Epi Olfactory Epi Olfactory Epi Respirat Epith Olfactory Epi	Degeneration Hyperplasia Inflammation Inflammation Metaplasia	Mild Basal Cell, Mild Suppurative, Minimal Chronic, Minimal Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 4-10]			
* Uterus		Hydrometra	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50309

ORGAN AND ACCOUNTABLE SITE STATUS

[Hydrometra TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* 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, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
	[Carcinoma TGLS = 4-18]		
	[Fibroadenoma TGLS = 1,2,3-14+15+16+17]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 6-19]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Cyst	Moderate
	[Cyst TGLS = 5-6]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 7-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50310

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 348

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Marked
		[Basophilic Focus TGLS = 5-14]	
		[Hepatodiaphragmatic Nodule TGLS = 4-14]	
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		[Inflammation TGLS = 2-5]	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 3-16]	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
		[Cyst TGLS = 1-15]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 50311

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 349

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Liver | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------|-----------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLS = 1,2-14+15+16] | | | |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 4-10] | | | |
| * Uterus | | Polyp Stromal | |
| [Polyp Stromal TGLS = 3-14] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 350

TRT#: 4

DOSE: 30 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 699

HISTO: 50313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 1-7]		
* Mammary Gland		Galactoceles	Marked
	[Galactoceles TGLS = 3,4-7+14]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Moderate
[Clear Cell Focus TGLS = 3-7]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Inflammation Fibroadenoma	Marked Histiocyte, Minimal Chronic, Mild Multiple
* Mammary Gland			
[Fibroadenoma TGLS = 1,4-14+15]			
* Nose	Olfactory Epi Olfactory Epi Respirat Epith Olfactory Epi	Degeneration Hyperplasia Inflammation Metaplasia Adenoma	Mild Basal Cell, Mild Chronic, Minimal Minimal
* Pituitary Gland			
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Marked
	[Basophilic Focus TGLS = 7,8,9-14+15+7]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Angiectasis	Moderate
	[Angiectasis TGLS = 4-3]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3-16+17+18+19]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 5-19]		
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 503	TRT#: 6 DOSE: 60 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 50166
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ORGAN AND ACCOUNTABLE SITE STATUS

Pleura [Fibrosis TGLS = 6-5]		Fibrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|---------------------------|----------------------|
| * Adrenal Cortex | Bilateral | Adenoma | |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Basophilic Focus | Minimal |
| | | Clear Cell Focus | Multiple, Mild |
| | | Vacuolization Cytoplasmic | Mild |
| [Clear Cell Focus TGLS = 4-6] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Carcinoma | |
| | | Fibroadenoma | |
| [Carcinoma TGLS = 2-15] | | | |
| [Fibroadenoma TGLS = 1-14] | | | |
| Mesentery | | Necrosis | Mild |
| [Necrosis TGLS = 5-15] | | | |
| * Nose | Olfactory Epi | Degeneration | Moderate |
| | Olfactory Epi | Hyperplasia | Basal Cell, Moderate |
| | Olfactory Epi | Metaplasia | Mild |
| * Pituitary Gland | | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 504	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 60 PPM	DISP: Terminal Sacrifice	HISTO: 50167

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
* Lymph Node, Mediastinal		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50168

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:48

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Fibrous Histiocytoma	Metastatic (Skin)
* Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephroblastoma	
[Nephroblastoma TGLS = 3-7]			
* Liver		Fibrous Histiocytoma	
[Fibrous Histiocytoma TGLS = 7,8,9,10-6+7+10]			
* Lung		Stromal Nephroma	Metastatic (Kidney)
[Stromal Nephroma TGLS = 2-4+5]			
Lymph Node	Renal	Stromal Nephroma	Metastatic (Kidney)
[Stromal Nephroma TGLS = 11-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50169

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-10]

* Skin

Fibrous Histiocytoma

[Fibrous Histiocytoma TGLS = 6-16+17+18]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephroblastoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Note: focus of hepatocytes on edge of xs in slide 4 are interpreted as artifact.			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Minimal
			[Hyperplasia TGLS = 2-10]
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal
	Endometrium	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1=NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Marked
* Eye	Lens	Cataract	Minimal
* Harderian Gland		Inflammation	Chronic, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple, Minimal
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 723

HISTO: 50172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Clitoral Gland
* Intestine Large, Colon
* Lymph Node, Mediastinal
* Pancreas
* Skin
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Rectum
* Lymph Node, Mesenteric
* Parathyroid Gland
* Spleen
* Trachea

* Bone Marrow
* Eye
* Islets, Pancreatic
* Mammary Gland
Pleura
* Stomach, Forestomach
* Urinary Bladder

* Brain
* Harderian Gland
* Larynx
* Ovary
* Salivary Glands
* Stomach, Glandular

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex
* Heart
* Kidney

Papilla

Hyperplasia
Cardiomyopathy
Mineralization
Nephropathy
Basophilic Focus

Moderate
Minimal
Minimal
Chronic, Minimal
Multiple, Mild

* Liver
[Basophilic Focus TGLS = 2-14]

* Lung

Inflammation
Proteinosis

Chronic, Mild
Minimal

* Nose

Alveolus
Olfactory Epi
Glands
Olfactory Epi
Olfactory Epi

Degeneration
Dilatation
Hyperplasia
Metaplasia
Adenoma
Cyst

Mild
Minimal
Basal Cell, Mild
Minimal

* Pituitary Gland

[Adenoma TGLS = 1-10]

[Cyst TGLS = 1-10]

* Uterus

Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:48
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 60 PPM

DISP: Natural Death

HISTO: 50172

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 614

HISTO: 50173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:48

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Liver |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | Pleura | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-----------------------------|----------------|---------------------------------------|---------------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Moderate |
| [Nephropathy TGLS = 3-7] | | | |
| * Lung | Alveolus | Infiltration Cellular
Inflammation | Histiocyte, Mild
Chronic, Moderate |
| [Inflammation TGLS = 2-5] | | | |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Chronic, Minimal |
| | Olfactory Epi | Metaplasia | Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 1-10] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 528

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 1-5]		
* Lymph Node, Bronchial		Ectasia	Moderate
	[Ectasia TGLS = 3-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Ovary		Cyst	Marked
	[Cyst TGLS = 5-9]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 528

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50178

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 641

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Reticulum Cell, Marked
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLS = 1-14+15]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Marked
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis, Transit Epithe	Mineralization	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 2-6]		

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 641

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50179

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 704

HISTO: 50180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver			
Note: NCL for tgl 2 on slide 15.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		[Infiltration Cellular TGLS = 1-14]	
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		[Carcinoma TGLS = 7-19]	
		[Fibroadenoma TGLS = 3,6-16+17+18]	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 5-19]	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50180

ORGAN AND ACCOUNTABLE SITE STATUS

Respirat Epith

Inflammation

Chronic, Minimal

Olfactory Epi

Metaplasia

Minimal

* Pituitary Gland

Adenoma

[Adenoma TGLS = 4-10]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 2-7]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Cyst	Marked
[Cyst TGLS = 1-10]			
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Necrosis	Mild
* Brain		Compression	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-7]			
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15. 15 is nearly normal mammary gland.]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50182

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 607

HISTO: 50183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Brain		Compression	Moderate
		Hemorrhage	Minimal
* Intestine Small, Ileum		Inflammation	Chronic, Moderate
* Kidney	Pelvis	Inflammation	Chronic, Mild
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Marked
	Periportal	Inflammation	Chronic, Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
* Mammary Gland		Galactocele	Minimal
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
* Ovary		Cyst	Marked
	[Cyst TGLS = 3-9]		
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 607

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50183

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Stomach, Forestomach

Hyperplasia

Squamous, Marked

Inflammation

Suppurative, Marked

[Hyperplasia TGLS = 5-10]

* Trachea

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 631

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Minimal
[Clear Cell Focus TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* 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	* Pancreas	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-13]		
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Chronic, Minimal
* Liver		Clear Cell Focus	Marked
	[Clear Cell Focus TGLS = 5-14]		
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	[Ectasia TGLS = 4-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-15+16]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50186

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 3-14]		Cyst	Marked
* Pituitary Gland [Cyst TGLS = 6-10]		Cyst	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 425

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Ulcer	Marked
[Ulcer TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-6]			

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Minimal
* Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Multiple, Minimal
		Hepatodiaphragmatic Nodule	Marked
	[Basophilic Focus TGLS = 6-17]		
	[Clear Cell Focus TGLS = 4-16]		
	[Hepatodiaphragmatic Nodule TGLS = 5-7]		
* Lung		Inflammation	Chronic, Moderate
	Alveolus	Proteinosis	Minimal
	[Inflammation TGLS = 1,2-14+15]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50188

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Multiple
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14+15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-16]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-10]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50189

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* 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

* Brain	Medulla	Gliosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50190

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* 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	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
Lymph Node	Pancreatic	Pigmentation	Mild
[Pigmentation TGLS = 5-14]			
* Mammary Gland		Galactocele	Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 1,2-7+15]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Mild
	Respirat Epith	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland		Metaplasia	Minimal
[Adenoma TGLS = 3,4-10]		Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 591

HISTO: 50193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Periportal	Inflammation	Chronic, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma; Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 727

HISTO: 50194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Brain		Compression	Marked
		Hemorrhage	Marked
* Clitoral Gland		Hyperplasia	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Suppurative, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-15+16+17]			
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Chronic, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Stomach, Glandular	Epithelium	Adenoma	
[Adenoma TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50194

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|---------------------------------|-------------------------|-----------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | Multiple, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14+15] | | | |
| Mesentery | | Necrosis | Moderate |
| Note: NCL for tgl 4 on slide 17 | | | |
| [Necrosis TGLS = 2-16] | | | |
| * Nose | Olfactory Epi
Glands | Degeneration | Minimal |
| | Olfactory Epi | Dilatation | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Pituitary Gland | Olfactory Epi | Metaplasia | Minimal |
| [Hyperplasia TGLS = 3-10] | | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Int Lg Cecum			
Note: NCL for tgl 5 on slide 17. Observed grossly as a duplicate cecum.			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 4-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2,3-15+16]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 6-12]			
* Pituitary Gland		Carcinoma	
[Carcinoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 533

TRT#: 6
DOSE: 60 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 50196

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Inflammation	Suppurative, Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 534

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-7]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Serosa	Fibrosis	Minimal
[Fibrosis TGLS = 1-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-7]			
* Nose	Olfactory Epi Glands	Degeneration	Minimal
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Metaplasia	Minimal
[Adenoma TGLS = 3-10]		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 535

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* 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	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
		Mineralization	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50198

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 627

HISTO: 50199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------------------|------------------------|
| * Adrenal Cortex | | Hematopoietic Cell Proliferation | Moderate |
| | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | | Hyperplasia | Reticulum Cell, Marked |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Hematopoietic Cell Proliferation | Moderate |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | | [Fibroadenoma TGLS = 1-14] | |
| Mesentery | | Necrosis | Mild |
| | | [Necrosis TGLS = 4-15] | |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Inflammation | Suppurative, Mild |
| * Pituitary Gland | | Hyperplasia | Marked |
| | | [Hyperplasia TGLS = 5-10] | |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| * Uterus | | Hemorrhage | Marked |
| | Endometrium | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 627

HISTO: 50199

ORGAN AND ACCOUNTABLE SITE STATUS

Endometrium

Inflammation

Suppurative, Mild

Polyp Stromal

[Hemorrhage TGLS = 3-10]

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Minimal
	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Degeneration	Cystic, Minimal
* Lung	Bronchiole, Glands	Degeneration	Mucoid, Minimal
* Mammary Gland		Fibroadenoma	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 708

HISTO: 50201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Marked
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Minimal
		Hepatodiaphragmatic Nodule	Marked
		Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 6-14]		
	[Necrosis TGLS = 5-6]		
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLS = 1-14]		
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50201

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 3-14]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hemorrhage	Marked
	Endometrium	Hyperplasia	Mild
		Polyp Stromal	
		Thrombosis	Marked
	[Polyp Stromal TGLS = 4-15]		
	[Thrombosis TGLS = 4-15]		

PRIMARY CAUSE OF DEATH

- Uterus Thrombosis

CONTRIBUTORY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 515

HISTO: 50202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone [Osteosarcoma TGLS = 1-14+15]	Rib	Osteosarcoma	
* Eye	Lens	Cataract	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Lung [Osteosarcoma TGLS = 2,3-5+16]		Osteosarcoma	Metastatic (Bone)
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland [Adenoma TGLS = 5-10]		Adenoma	
Pleura		Fibrosis	Moderate
	Mesothelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Bone Rib Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Mild
	[Clear Cell Focus TGLS = 3-14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-15]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 663

HISTO: 50204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Brain		Hemorrhage	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple
* Lung		Inflammation	Chronic, Mild
* Mammary Gland	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-7]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 6-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Skin		Inflammation	Chronic, Moderate
		Ulcer	Marked
[Inflammation TGLS = 1,2,4-14+15+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 541	TRT#: 6	SEX: Female	DAY ON TEST: 663
	DOSE: 60 PPM	DISP: Moribund Sacrifice	HISTO: 50204

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 1,2,4-14+15+16]

PRIMARY CAUSE OF DEATH	- Pituitary Gland Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 4-14]		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLS = 7-7]		Nephropathy	Chronic, Marked
* Liver [Hepatodiaphragmatic Nodule TGLS = 8-7]		Basophilic Focus Hepatodiaphragmatic Nodule	Minimal Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 3-16]		Fibroadenoma	
Mesentery [Necrosis TGLS = 5-15]		Necrosis	Moderate
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50205

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 1-3]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 509

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 50206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Larynx		Foreign Body	Mild
		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1,2-14+15]	
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 544

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		[Hepatodiaphragmatic Nodule TGLS = 2-7]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-14+15+16]	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------------|---------------|----------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Papilla | Mineralization | Minimal |
| | | Nephropathy | Chronic, Minimal |
| * Larynx | | Foreign Body | Marked |
| | | Inflammation | Suppurative, Minimal |
| * Liver | | Basophilic Focus | Multiple, Minimal |
| | | Clear Cell Focus | Minimal |
| | | Hepatodiaphragmatic Nodule | Marked |
| [Hepatodiaphragmatic Nodule TGLS = 1-7] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Minimal |
| * Pituitary Gland | | Adenoma | |
| [Adenoma TGLS = 2-10] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Metaplasia	Osseous, Mild
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-7]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Natural Death

HISTO: 50210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Thymus		Thymoma Benign	
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 4-14]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 6-14]		
* Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLS = 1-16]		
	[Fibroadenoma TGLS = 4-15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-15]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
	[Cyst TGLS = 5-9]		
* Pituitary Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 548	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 60 PPM	DISP: Terminal Sacrifice	HISTO: 50211

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50212

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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Brain		Compression	Mild
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Moderate
* Harderian Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Mild
		Hepatocellular Carcinoma	
		[Clear Cell Focus TGLS = 2,3,6-6+7+15]	
		[Hepatocellular Carcinoma TGLS = 4-14]	
* Lung	Bronchiole	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 5-10]	
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 50212

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 550

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 715

HISTO: 50213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

INSUFFICIENT TISSUE

* Eye

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Fibrous Histiocytoma	Metastatic (Skin)
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Fibrous Histiocytoma	Metastatic (Skin)
		Necrosis	Marked
	[Fibrous Histiocytoma TGLS = 8-6]		
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
	[Fibrous Histiocytoma TGLS = 6,7-14+15]		
* Lymph Node, Mediastinal		Fibrous Histiocytoma	Metastatic (Skin)
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-19]		
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 9-17]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 550

TRT#: 6

DOSE: 60 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 715

HISTO: 50213

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 1,2,4,9-16+17+18]		
* Spleen		Fibrous Histiocytoma	Metastatic (Skin)
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Retina	Atrophy	Minimal
	Lens	Cataract	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Skin		Inflammation	Chronic, Minimal
		Ulcer	Mild
	[Inflammation TGLS = 1,2-14+15]		
	[Ulcer TGLS = 2-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50064

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 442

HISTO: 50065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Carcinoma	Metastatic (Kidney)
* Heart		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 9,10-6+14]			
* Kidney		Carcinoma	
[Carcinoma TGLS = 2,5-7,16]			
* Liver		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 4-6]		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 11-17]			
* Lung		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 7,8-4+15]			
* Lymph Node, Bronchial		Carcinoma	Metastatic (Kidney)
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Moderate
* Ovary		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 6-17]			
Pleura		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 12-18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 702

TRT#: 8
DOSE: 120 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 442
HISTO: 50065

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen
[Carcinoma TGLS = 3-6]

Carcinoma

Metastatic (Kidney)

PRIMARY CAUSE OF DEATH - Kidney Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 703

HISTO: 50066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
		Necrosis	Marked
* Kidney		Nephropathy	Chronic, Mild
[Nephropathy TGLS = 6-7]			
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 7-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 9-14]			
Mesentery	Fat	Hemorrhage	Mild
		Necrosis	Mild
[Hemorrhage TGLS = 8-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 703

HISTO: 50066

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 10-17]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-14]			
* Uterus	Endometrium	Hyperplasia	Mild
		Leukemia Mononuclear	

Note: hyperplasia is mostly stromal, plus MCL infiltrate. NEED A DX TERM TO SPLIT STROMAL FROM GLANDULAR HYPERPLASIA.

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatocellular Adenoma	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-7]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 2-9]			
* Pituitary Gland		Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* 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	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	Marked
* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Suppurative, Minimal
		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Clear Cell Focus	Multiple, Minimal
	[Clear Cell Focus TGLS = 4,5,6-7+14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-15]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 7-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50068

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Epithelium

Hyperplasia

Marked

[Hyperplasia TGLS = 1-15]

* Uterus

Polyp Stromal

Note: unusual morphology of polyp; mostly lipocytes with interspersed fibrous stroma. 10 step sections, no change.

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Hemorrhage	Minimal
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
[Nephropathy TGLS = 4-7]		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus	Marked
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-14]		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 706	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50069

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia Vacuolization Cytoplasmic	Minimal Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus Clear Cell Focus	Multiple, Minimal Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation Pigmentation	Histiocyte, Minimal Chronic, Minimal Mild
* Lymph Node, Mesenteric [Pigmentation TGLS = 2-8]			
* Mammary Gland [Fibroadenoma TGLS = 1-14+15]		Fibroadenoma	
* Nose	Olfactory Epi Glands Olfactory Epi Respirat Epith Olfactory Epi	Degeneration Dilatation Hyperplasia Inflammation Metaplasia	Minimal Minimal Basal Cell, Minimal Chronic, Minimal Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
		Hyperplasia	Adenomatous, Moderate
Note: interstitial cell hyperplasia, not adenomatous			
[Cyst TGLS = 1-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 708

TRT#: 8
DOSE: 120 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 50071

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Inflammation	Suppurative, Marked
		Ulcer	Marked
[Ulcer TGLS = 5-8]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Moderate
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-6]			
* Lymph Node, Mesenteric		Ectasia	Marked
[Ectasia TGLS = 6-16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 709	TRT#: 8 DOSE: 120 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 50072
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ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 2-9]	Cyst	Marked
* Pituitary Gland [Adenoma TGLS = 4-10]	Adenoma	
* Skin [Hyperplasia TGLS = 7-15]	Hyperkeratosis Hyperplasia	Mild Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Inflammation	Chronic, Mild
[Inflammation TGLS = 6-16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-17]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 710	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50073

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Suppurative, Moderate
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	
* Uterus	Endometrium	Hyperplasia	Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 3-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Carcinoma	

[Carcinoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* 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	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Compression	Moderate
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	Multiple, Minimal
[Angiectasis TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 5-7]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
* Ovary		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 713

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50076

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-9]	Granulosa Cell Tumor Malignant
[Granulosa Cell Tumor Malignant TGLS = 3-9]	
* Pituitary Gland	Adenoma
[Adenoma TGLS = 1-10]	
* Uterus	Polyp Stromal
[Polyp Stromal TGLS = 4-10]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 681

HISTO: 50077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Periportal	Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 3-7]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 681

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50077

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-9+14]			
* Eye	Retina	Atrophy	Minimal
	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Chronic, Minimal
	Epiglottis	Metaplasia	Squamous, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-16]			
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50078

ORGAN AND ACCOUNTABLE SITE STATUS

Respirat Epith

Hyperplasia

Marked

Olfactory Epi

Metaplasia

Mild

Olfactory Epi

Mineralization

Mild

* Skin

Ulcer

Moderate

[Ulcer TGLS = 2-9+14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* 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	* Larynx	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	Cornea	Mineralization	Mild
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Cortex, Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Bronchiole	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50079

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15]			
* Nose	Olfactory Epi	Degeneration	Moderate
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Moderate
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,8-14]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 7-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Hemorrhage	Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-7]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
* Mammary Gland		Carcinoma Fibroadenoma	
[Carcinoma TGLS = 3-15]			
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi Glands Olfactory Epi Olfactory Epi	Degeneration Dilatation Hyperplasia Metaplasia	Mild Mild Basal Cell, Mild Mild
* Pituitary Gland		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 718

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
			[Nephropathy TGLS = 2-7]
* Mammary Gland		Galactoceles	Marked
			[Galactoceles TGLS = 1-14]
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland		Inflammation	Suppurative, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Mild
		Hepatodiaphragmatic Nodule	Marked
[Clear Cell Focus TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 2-7]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 1-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 719

TRT#: 8
DOSE: 120 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 50082

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Hyperplasia TGLS = 4-10]

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 647

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Uterus	Endometrium	Hyperplasia	Moderate
		Polyp Stromal	
[Hyperplasia TGLS = 2-10]			
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Brain		Compression	Marked
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-15]			
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver		Angiectasis	Minimal
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 3-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
	Alveolus	Proteinosis	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,5-9+15+7]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50085

ORGAN AND ACCOUNTABLE SITE STATUS

Olfactory Epi

Hyperplasia

Basal Cell, Mild

Olfactory Epi

Metaplasia

Mild

Olfactory Epi

Mineralization

Minimal

* Pituitary Gland

Adenoma

[Adenoma TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 645

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Moderate
		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Periportal	Inflammation	Chronic, Mild
[Angiectasis TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
[Inflammation TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 645

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50086

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1,2-10+14]			
Vagina			

Note: uterine mass extends into vaginal lumen, but vaginal tissue is normal.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Eye	Retina	Atrophy	Minimal
	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Moderate
		Hepatodiaphragmatic Nodule	Marked
		[Clear Cell Focus TGLS = 1-7]	
		[Hepatodiaphragmatic Nodule TGLS = 2-6]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50088

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Carcinoma Cyst	Moderate
[Carcinoma TGLS = 3-15]			
[Cyst TGLS = 2-16]			
* Eye	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4-17+18]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
* Pituitary Gland	Olfactory Epi	Metaplasia	Minimal
		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 726	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50089

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* 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
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Mild
* Eye	Lens	Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Larynx	Respirat Epith	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi Glands	Degeneration Dilatation	Mild Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Uterus		Polyp Stromal	

[Polyp Stromal TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 670

DOSE: 120 PPM

DISP: Natural Death

HISTO: 50092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 2-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 730

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2,3-16+17]			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	Follicle	Cyst	Moderate
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 563

HISTO: 50094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	Lymph Node	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Minimal
Lymph Node			
Note: cervical LN normal histology			
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 685

HISTO: 50095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Hemorrhage	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Cyst	Marked
[Cyst TGLS = 1-10]			
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Cyst

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Hemorrhage	Marked
		Hydrocephalus	Moderate
[Hydrocephalus TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Multiple, Mild
[Clear Cell Focus TGLS = 1-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 733	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50096

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-10]		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 734

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 1-7]			
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 734	TRT#: 8 DOSE: 120 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 50097
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-10]	Olfactory Epi	Metaplasia Adenoma	Mild
* Thyroid Gland * Uterus [Polyp Stromal TGLS = 6-10]	C Cell	Hyperplasia Polyp Stromal	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 694

HISTO: 50098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stom Forestom			
Note: NCL for tgl 5 on slide 15			
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
* Uterus		Hemorrhage	Marked
	Endometrium	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50098

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Hyperplasia TGLS = 1-14]

[Polyp Stromal TGLS = 1-14]

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma;Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50099

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	* Larynx	* Liver
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

Blood Vessel	Media	Inflammation	Chronic, Moderate
* Bone Marrow		Histiocytic Sarcoma	
* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mediastinal		Ectasia	Marked
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-14+15]			
* Nose	Olfactory Epi Glands	Degeneration	Minimal
		Dilatation	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50099

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

[Adenoma TGLS = 4-10]

Adenoma

* Salivary Glands

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* 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
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Marked
* Clitoral Gland		Cyst	Marked
		Hyperplasia	Moderate
[Cyst TGLS = 4-9+14]			
* Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2,3-4+5]			
* Nose	Olfactory Epi Glands	Degeneration	Minimal
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland	Olfactory Epi	Metaplasia	Minimal
		Adenoma	
		Cyst	Marked
[Cyst TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50100

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Ectopic Parathyroid Gland

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 488

HISTO: 50101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 6-14]		Carcinoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver [Basophilic Focus TGLS = 4-6+7] [Clear Cell Focus TGLS = 3-6]		Basophilic Focus Clear Cell Focus	Multiple, Minimal Mild
* Lung [Inflammation TGLS = 1,2-4+5]	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Mild Chronic, Mild
* Lym Node Media Note: NCL for tgl 5 on slide 3; mediastinal LN not present on slide.			
* Nose Note: photogenic lesions in xs3	Olfactory Epi Glands Olfactory Epi Olfactory Epi	Degeneration Dilatation Hyperplasia Metaplasia	Mild Moderate Basal Cell, Moderate Mild
* Pituitary Gland [Adenoma TGLS = 7,8-10]		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 703

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50102

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Ulcer TGLS = 6-14]		Ulcer	Marked
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 1-7]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 4-12]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
	[Carcinoma TGLS = 1-14]		
	[Fibroadenoma TGLS = 4,5-15+16]		
* Nose	Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Uterus	Endometrium	Hyperplasia	Moderate
		Polyp Stromal	
	[Polyp Stromal TGLS = 3-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 120 PPM

DISP: Moribund Sacrifice

HISTO: 50105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Mineralization	Minimal
* Ovary		Cyst	Marked
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-6]			
* Lung	Bronchiole	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Mild
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50106

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 50107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Brain	Chor Plexus	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Multiple, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi Glands	Degeneration	Minimal
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
		Cyst	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 745

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* 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	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Eye	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-7]			
* Liver		Clear Cell Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Mild
	Olfactory Epi	Mineralization	Minimal
* Ovary		Granulosa Cell Tumor Benign	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 3-14]			
* Uterus	Endometrium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 745

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50108

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 746

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Nose	Olfactory Epi Glands	Degeneration	Minimal
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Metaplasia	Minimal
[Adenoma TGLS = 2-10]		Adenoma	
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 3-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hemorrhage	Marked
[Hemorrhage TGLS = 1-14]		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Suppurative, Mild
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Marked
		[Clear Cell Focus TGLS = 2-15]	
		[Hepatodiaphragmatic Nodule TGLS = 1-14]	
* Lung	Interstitialium	Fibrosis	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
Lymph Node	Pancreatic	Pigmentation	Moderate
		[Pigmentation TGLS = 3-15]	
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50110

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Olfactory Epi

Metaplasia

Minimal

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 748

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 50111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Glands	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Respirat Epith	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetralin
CAS Number: 119-64-2

Date Report Requested: 10/17/2014
Time Report Requested: 11:54:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 748	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 120 PPM	DISP: Terminal Sacrifice	HISTO: 50111

ORGAN AND ACCOUNTABLE SITE STATUS

Necrosis	Marked
Polyp Stromal	

[Polyp Stromal TGLS = 1-14]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

DOSE: 120 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 50112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 3-14]			
* Nose	Olfactory Epi Glands	Degeneration	Minimal
	Olfactory Epi	Dilatation	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus		Hemorrhage	Marked
		Necrosis	Marked
		Polyp Stromal	
[Polyp Stromal TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Tetralin

Time Report Requested: 11:54:49

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 119-64-2

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	Multiple, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-14]			
* Mammary GI			
Note: mammary gland in this section is within normal limits for a female rat.			
* Nose	Olfactory Epi Glands	Degeneration	Mild
	Olfactory Epi	Dilatation	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Moderate
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-16]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93025-07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 10/17/2014

Time Report Requested: 11:54:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 120 PPM

DISP: Terminal Sacrifice

HISTO: 50113

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE