

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:49
First Dose M/F: NA / NA
Lab: BNW

C Number: C52904C
Lock Date: 01/05/1999
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 12/02/1999

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 37334
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus
-------------------------	-----------------	----------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Bile Duct	Hyperplasia	Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Bronchiole	Hyperplasia	Minimal
	Alveolar Epith	Metaplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Pancreas		Adenoma	
[Adenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37334

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 37335
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
* Prostate		Hyperplasia	Marked
* Stom Forestom			
Note: TGL 5, "nodule, .4 cm dia" noted at trim, was not apparent microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37335

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 37336
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Mesothelioma Benign	
[Mesothelioma Benign TGLS = 1-9]			
Eye		Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Eosinophilic Focus TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 37336
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
[Mesothelioma Benign TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
-------------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 469 HISTO: 37337
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 1-6]			
* Liver		Basophilic Focus	
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
[Basophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10+14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 469
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 37337

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 4-13]		
	[Necrosis TGLS = 5-13]		
* Stom Forestom			
	Note: TGL 8, "focus, 1mm dia, multiple, dark", noted at necropsy, was not apparent microscopically.		
* Stomach, Glandular		Necrosis	Moderate
	[Necrosis TGLS = 7-10+14]		
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 2-10]		
	[Leukemia Mononuclear TGLS = 2-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 37338
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

INSUFFICIENT TISSUE

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Leukemia Mononuclear	
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 37338
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland [Adenoma TGLS = 5-10]	Pars Distalis	Adenoma	
* Skin [Fibroma TGLS = 1-13]	Subcut Tiss	Fibroma	
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-		
-------------------------------	---	--	--

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 502 HISTO: 37339
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-1]			
Eye		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-1]			
* Kidney		Infarct	Moderate
		Leukemia Mononuclear	
[Infarct TGLS = 4-7]			
[Leukemia Mononuclear TGLS = 6,7-1]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 502 HISTO: 37339
ORGAN AND ACCOUNTABLE SITE STATUS			
Mesentery [Necrosis TGLS = 5-14]	Fat	Necrosis	Mild
* Nose		Thrombosis	Minimal
* Pancreas [Leukemia Mononuclear TGLS = 5-14]		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 5-14]		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 3-13] [Leukemia Mononuclear TGLS = 2-13]		Fibrosis Leukemia Mononuclear Thrombosis	Minimal Mild
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 9-10] [Necrosis TGLS = 9-10]		Leukemia Mononuclear Necrosis	Minimal
* Testes [Leukemia Mononuclear TGLS = 8-9]		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 8-9]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 4-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1-13]			
* Lung		Osteosarcoma	Metastatic (Bone)
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Hyperplasia	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-15]			
* Spleen			
Note: TGL 7, "lesion, pale, multiple", and TGL 8, "focus, .2 x .5 cm, brown", both seen at trim, were not apparent microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37340

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5,6-9]

Zymbals GI

Note: Mass noted at necropsy was actually from skull (bone).

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 516 HISTO: 37341
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-14]			
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Cardiomyopathy Thrombosis	Mild Moderate
	[Cardiomyopathy TGLS = 2-6] [Thrombosis TGLS = 1-6]		
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
	[Leukemia Mononuclear TGLS = 2-6]		
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear Metaplasia	Osseous, Minimal
* Nose		Thrombosis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:49
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 639 HISTO: 37342
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]			
* Spleen		Hemorrhage Leukemia Mononuclear	Moderate
[Hemorrhage TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 5-13]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	
------------------------	----------	----------------------	--

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37343

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	* Larynx	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-15]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Skin			
Note: TGL 2, "lesion, .2 cm dia", noted at necropsy, was not apparent microscopically.			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37343

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-13]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-17]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain	Artery	Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Mesentery	Artery	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2,3-14]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
	Artery	Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Stomach, Glandular	Artery	Inflammation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37344

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

Follicular Cel

Hyperplasia

Mild

* Urinary Bladder

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 2-4+5]	
		[Leukemia Mononuclear TGLS = 2-4+5]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Moderate
		[Hyperkeratosis TGLS = 1-13]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 4,5-9]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37345

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Artery	Inflammation	Chronic Active, Moderate
	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3,4-13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-4]	Hyperplasia	Minimal
	Mesentery	Sarcoma	
	[Sarcoma TGLS = 1-13]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Spleen			
	Note: "Focus, 4 mm dia, red", noted at necropsy, was not apparent microscopically.		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37347

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37348

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 634

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Angiectasis TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 634

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37349

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Preputial Gland
--------------------------	---------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: CONTROL

DISP: Natural Death

HISTO: 37351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

AUTO PRECLUDES DIAG.

Eye	* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Thyroid Gland			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Foreign Body	
		Inflammation	Granulomatous, Marked
[Foreign Body TGLS = 4-14]			
[Inflammation TGLS = 2-4+5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: CONTROL

DISP: Natural Death

HISTO: 37351

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-13]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6,7-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 8-9]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland
---------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: TGL 3, "lesion, multiple, dark", noted at necropsy, was not apparent microscopically.			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 2-5]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Testes	* Trachea	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
-------------------------	--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
	[Thrombosis TGLS = 6-6]	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]	Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37353

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration Inflammation	Hyaline, Minimal Suppurative, Moderate
* Pancreas [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 3-10] [Leukemia Mononuclear TGLS = 7-14]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate		Inflammation Leukemia Mononuclear	Chronic Active, Moderate
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-13]		Leukemia Mononuclear	
* Stomach, Forestomach [Leukemia Mononuclear TGLS = 8-10]		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 8-10]		Leukemia Mononuclear Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 4-13]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-14]			
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Carcinoma	
		Infarct	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Artery	Inflammation	Moderate
	Centrilobular	Necrosis	Marked
[Hepatodiaphragmatic Nodule TGLS = 7-13]			
[Necrosis TGLS = 6-13]			
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Moderate
		Keratoacanthoma	
[Inflammation TGLS = 2,9-15+17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37354

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 5-16]

* Spleen

Note: TGL 8, "lesion, mottled", noted at necropsy, was not apparent microscopically.

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 4-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Epididymis		Mesothelioma Benign	
[Mesothelioma Benign TGLS = 3-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1,2-13]			
* Prostate		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4,5-6]			
[Leukemia Mononuclear TGLS = 4,5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37355

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Benign

[Adenoma TGLS = 6,7-9]

[Mesothelioma Benign TGLS = 6,7-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Mesothelioma Benign

PRIMARY CAUSE OF DEATH

- Epididymis Mesothelioma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 713

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* 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	* Mammary Gland
-------------------------	--------------------------	---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Mild

Note: TGL 3, "focus, 5 mm dia, red", noted at necropsy, was blood in normal hepatic vasculature.

[Basophilic Focus TGLS = 2-13]

* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Marked
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Nephropathy TGLS = 11-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Leukemia Mononuclear	
		Thrombosis	Moderate
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37357

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-14+15+16+17]			
* Spleen		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 8-13]			
[Necrosis TGLS = 9-13]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 572

DOSE: CONTROL

DISP: Natural Death

HISTO: 37358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Prostate	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Mild
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Minimal
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Epididymis			
Note: TGL 5, "focus, green", noted at necropsy, was post mortem artifact.			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Kidney		Infarct Leukemia Mononuclear	Moderate
[Infarct TGLS = 3-7]			
[Leukemia Mononuclear TGLS = 4-3]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	Centrilobular	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 1,2-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 572

DOSE: CONTROL

DISP: Natural Death

HISTO: 37358

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Marked
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Hyperplasia	Squamous, Mild
* Salivary Glands		Metaplasia	Squamous, Mild
		Necrosis	Moderate
* Sem Ves			
Note: TGL 4, "focus, green", noted at necropsy, was post mortem artifact.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
Note: TGL 6, "focus, 1.2 cm x .4 cm, dark", noted at necropsy, was post mortem artifact.			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15+8]			
* Adrenal Medulla		Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 10-15+8]		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 8-13]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]		Nephropathy	Mild
[Nephropathy TGLS = 4-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 5-6]			
[Regeneration TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37359

ORGAN AND ACCOUNTABLE SITE STATUS

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Leukemia Mononuclear

Note: TGL 9, "focus, 1 x 6 mm, pale", noted at necropsy, was not apparent microscopically.

[Hyperplasia TGLS = 7-4]

[Leukemia Mononuclear TGLS = 6-6]

* Lymph Node, Bronchial

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15+8]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15+8]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-15+8]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1,2-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-9]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Liver	Centrilobular	Necrosis	Marked
[Necrosis TGLS = 3-6]			
Lymph Node	Iliac	Hemorrhage	Mild
[Hemorrhage TGLS = 8-15]			
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 2-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 5,6-13]			
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-16]			
* Stomach, Glandular		Necrosis	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 7-9]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37360

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-7]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach		Diverticulum	
[Diverticulum TGLS = 6-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37361

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:49

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Sebaceous Gl	Adenoma	
		Keratoacanthoma	
	[Adenoma TGLS = 3-16]		
	[Keratoacanthoma TGLS = 1-15]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-14]		
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
		[Adenoma TGLS = 1-13]	
		[Atrophy TGLS = 2-9]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 615

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Parathyroid Gland
-------------------------	---------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Preputial Gland)
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1,2-13+14]			
* Prostate		Hyperplasia	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Hepatocellular Adenoma TGLS = 4-6]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37365

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy Inflammation	Minimal Suppurative, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Spleen		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 2-13]			
[Necrosis TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma Atrophy	Marked
[Atrophy TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: TGL 6, "adhesion", noted at necropsy, was not apparent microscopically.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin	Subcut Tiss	Fibrosarcoma	
	Epithelium	Hyperplasia	Basal Cell, Moderate
[Fibrosarcoma TGLS = 1-16]			
[Hyperplasia TGLS = 5-18]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-15+9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37366

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
---------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 5-6]	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Nose		Thrombosis	Marked
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
		[Hyperplasia TGLS = 2-10]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-13]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37367

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-9]	Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 3-9]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37368

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	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Note: TGL2, "nodule, 7 mm dia, pale", noted at necropsy, was not apparent microscopically.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37369

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-16]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-14]			
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

INSUFFICIENT TISSUE

* Skin

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Bile Duct	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Nose	Olfactory Epi	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37371

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 2-14]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 460

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Degeneration	Mild
Eye		Inflammation	Suppurative, Marked
[Inflammation TGLS = 1-14]			
* Heart		Cardiomyopathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Note: TGL 3, "nodule, 1.1 cm x .6 cm" noted at necropsy, was variation in normal lobar morphology.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Polymorphnuclr, Mild
[Infiltration Cellular TGLS = 2-9]			
* Nose	Olfactory Epi	Atrophy	Mild
		Foreign Body	
		Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Moderate
* Testes	Interstit Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Inflammation	Chronic Active, Marked

PRIMARY CAUSE OF DEATH

- Tooth Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Marked
		[Thrombosis TGLS = 6-6]	
* Islets, Pancreatic		Carcinoma	
		[Carcinoma TGLS = 6-6]	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
		[Leukemia Mononuclear TGLS = 6-6]	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 5-14]	
* Nose		Inflammation	Suppurative, Moderate
		Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37373

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 1-15]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-13]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 615

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland	* Thyroid Gland
---------------------------	---------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Bronchial			
[Leukemia Mononuclear TGLS = 8-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37375

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 1-18+19+20+21]	Subcut Tiss	Fibroma	
* Spleen [Fibrosis TGLS = 4-16] [Hemorrhage TGLS = 5-15] [Leukemia Mononuclear TGLS = 2,3-17+14]		Fibrosis Hemorrhage Leukemia Mononuclear	Moderate Mild
* Testes [Adenoma TGLS = 6-9]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 6-9]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: CONTROL

DISP: Natural Death

HISTO: 37376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Hyperkeratosis	Marked
		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 8-6]			
[Eosinophilic Focus TGLS = 8-6]			
[Leukemia Mononuclear TGLS = 8-6]			
[Mixed Cell Focus TGLS = 8-6]			
* Lung	Alveolar Epith	Carcinoma	Metastatic (Thyroid Gland)
	Alveolus	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mandibular			
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37377

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Carcinoma TGLS = 1-14+9]		Carcinoma	
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-16]			
[Leukemia Mononuclear TGLS = 4-15]			
* Testes [Adenoma TGLS = 6,7-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 2-3]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 460

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13+14+15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Trachea		

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16]			
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4,5-6+14]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4,5-6+14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37379

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-8+17]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-10]			
* Prostate		Hyperplasia	Moderate
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 10-18+19+20]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-15]			
[Leukemia Mononuclear TGLS = 7-15]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 9-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Marked
[Adenoma TGLS = 2-14]			
[Inflammation TGLS = 2-14]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37380

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 658

DOSE: CONTROL

DISP: Natural Death

HISTO: 37381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Prostate
* Stomach, Forestomach
* Thyroid Gland

* Adrenal Medulla
* Epididymis
* Larynx
* Pancreas
* Salivary Glands
* Stomach, Glandular
* Trachea

* Bone
* Esophagus
* Lymph Node, Bronchial
* Parathyroid Gland
* Skin
* Testes
* Urinary Bladder

* Bone Marrow
* Intestine Small, Duodenum
* Lymph Node, Mediastinal
* Preputial Gland
* Spleen
* Thymus

MISSING

* Lymph Node, Mandibular

* Mammary Gland

* Seminal Vesicle

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Jejunum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Ileum

OBSERVATIONS

Eye
* Heart
* Kidney
* Liver

* Lung
Note: TGL 1, "lesion, .1 cm x .7 cm, multiple, pale", noted at necropsy, was not apparent microscopically.
* Nose
* Pituitary Gland
[Adenoma TGLS = 2-10]

Bile Duct
Alveolar Epith

Cataract
Cardiomyopathy
Nephropathy
Basophilic Focus
Hyperplasia
Hyperplasia
Inflammation
Adenoma

Mild
Minimal
Mild

Mild
Marked

Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Centrilobular	Hepatocellular Carcinoma	
		Necrosis	Moderate
		[Hepatocellular Carcinoma TGLS = 5-15]	
		[Necrosis TGLS = 4-6]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
		[Carcinoma TGLS = 2-16+17]	
* Prostate	Epithelium	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-9]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Eye

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 1-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Metaplasia	Squamous, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]		Necrosis	Minimal
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4+5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37628

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Olfactory Epi Olfactory Epi Respirat Epith Pars Distalis	Hyperplasia Inflammation Metaplasia Hyperplasia Leukemia Mononuclear	Atypical, Mild Chronic, Mild Squamous, Mild Moderate
[Hyperplasia TGLS = 3-10] [Leukemia Mononuclear TGLS = 2-4+5]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild

Note: "Rhabdomyoma" is actually a granular cell tumor, but that term wasn't available.

* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-10]		
* Skin	Subcut Tiss	Fibrosarcoma	Multiple
	[Fibrosarcoma TGLS = 2,3,4-14+13]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37629

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 6-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 7-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-7]			
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
Note: TGL 6, "mass, 5 mm dia, pale", noted at necropsy, was adipose tissue.			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37630

ORGAN AND ACCOUNTABLE SITE STATUS

	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 2-14]		
	[Leukemia Mononuclear TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-9]		
* Thyroid Gland	Bilateral, C Cell	Adenoma	
Tissue NOS		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
	[Pheochromocytoma Malignant TGLS = 7-15]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-7]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:50
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 204	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 37631
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 551

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* 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	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes		Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Mild
	[Cardiomyopathy TGLS = 10-6]		
	[Thrombosis TGLS = 3-13]		
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,11-4+5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37633

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Respirat Epith	Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 5-10]	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]		Necrosis	Mild
[Necrosis TGLS = 8-14]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 12-10]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37634

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* 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, Mediastinal	* Mammary Gland
-------------------------	---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 4-13+14]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
* Lung		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 2-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37635

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Bone	Osteosarcoma	
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland	Pars Distalis Adenoma;Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37636

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	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37636

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Mild

* Testes

Interstit Cell

Hyperplasia

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 502

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Thyroid Gland
-----------------------------	--------------------------	----------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 502

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37637

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Chronic, Mild
		Thrombosis	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-13]		
	[Hemorrhage TGLS = 5-13]		
	[Leukemia Mononuclear TGLS = 3-13]		
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
	[Hyperplasia TGLS = 6-10]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13]		

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

INSUFFICIENT TISSUE

* Skin

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
[Cardiomyopathy TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 2-3]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37638

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Chronic, Mild
		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Parathyroid Gland
-------------------------	---------------------------	---------------------

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37639

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-14]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-9]		
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37640

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 3-10]

Pars Distalis

Adenoma

* Skin
[Sarcoma TGLS = 2-14]

Subcut Tiss

Sarcoma

* Testes
[Atrophy TGLS = 1-9]

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37641

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3,4-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver			
Note: TGL 4, "nodule, 4 mm dia", noted at necropsy, was normal variation in lobar morphology.			
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-14]		
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37642

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 2-3]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, 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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-7]			
* Liver		Basophilic Focus	
Note: TGL 1, "nodule, 1cm x 1.6cm, pale", and TGL 2, "nodule, .5cm dia, pale", both noted at necropsy, were normal variation in lobar morphology.			
[Basophilic Focus TGLS = 3-7]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Inflammation	Minimal Histiocyte, Minimal Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 6-9]			
* Nose	Olfactory Epi Glands Goblet Cell, Respirat Epith Olfactory Epi Olfactory Epi	Atrophy Hyperplasia Hyperplasia Hyperplasia Inflammation Inflammation	Mild Mild Minimal Atypical, Minimal Chronic, Mild Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Stom Forestom			
Note: TGL 4, "perforation, .5 cm dia", and TGL 5, "nodule, .4 cm dia", both noted at necropsy, were not apparent microscopically.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37643

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Malformation	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-13]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37644

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 525

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
[Leukemia Mononuclear TGLS = 3-1]		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Marked
[Leukemia Mononuclear TGLS = 1,2-4+5]		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:50
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 218	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 525 HISTO: 37645
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
	Respirat Epith	Leukemia Mononuclear	
		Metaplasia	Squamous, Moderate
		Thrombosis	Marked
		Atrophy	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland			
	[Leukemia Mononuclear TGLS = 4-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-13]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 8-14]		
* Testes	Interstit Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Inflammation	Chronic Active, Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37646

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin Keratoacanthoma

[Keratoacanthoma TGLS = 1-14]

* Testes Bilateral, Interstit Cell Adenoma

[Adenoma TGLS = 2-9]

* Thyroid Gland C Cell Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Mesentery	Fat	Inflammation	Moderate
[Inflammation TGLS = 3-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37647

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]

* Prostate Hyperplasia Moderate

Skel Muscle

Note: TGL 2, "adhesion, 2 cm dia, pale" noted at necropsy, was not apparent microscopically.

* Testes Bilateral, Interstit Cell Adenoma

[Adenoma TGLS = 1-13]

* Thyroid Gland C Cell Hyperplasia Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 390

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: TGL 1, "nodule, .8 cm x 1.1 cm", noted at necropsy, was normal variation of lobar morphology.			
[Basophilic Focus TGLS = 2-7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37649

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: TGL 2, "nodule, .7 cm dia", noted at necropsy, was normal variation in lobar morphology.			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
	[Hyperplasia TGLS = 4-5]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37650

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 3-14]			
* Testes		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Moderate
	[Regeneration TGLS = 2-14]		
* Lung		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-9]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-9]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37651

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-16]		
	[Leukemia Mononuclear TGLS = 3-15]		
* Thyroid Gland	C Cell	Adenoma	
Tongue		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 5-13]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 7-14]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 8-17]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37652

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Atypical, Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Marked
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-15]			
[Leukemia Mononuclear TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-16+9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Mild
		[Leukemia Mononuclear TGLS = 5-6]	
		[Regeneration TGLS = 9-13]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Thrombosis	Minimal
		[Leukemia Mononuclear TGLS = 9-13]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37653

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17+10]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 6-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
		Thrombosis	Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 8-17+10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37654

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	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-6]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37654

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
	Valve	Thrombosis	Chronic, Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37656

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Olfactory Epi Respirat Epith Pars Distalis	Inflammation Metaplasia Adenoma Leukemia Mononuclear	Chronic, Minimal Squamous, Mild
[Adenoma TGLS = 1-10]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Thyroid Gland	C Cell	Carcinoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* 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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGSL = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGSL = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-13]		
* Lymph Node, Mandibular	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37658

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 2-10]		
	[Leukemia Mononuclear TGLS = 8-13]		
* Seminal Vesicle		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-10]		
Spinal Cord		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Testes	Interstit Cell	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 5-9]		
	[Leukemia Mononuclear TGLS = 6-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
Note: TGL 7, "dilatation, 3.9 x 2.6 cm", noted at necropsy, had no corresponding microscopic finding.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|-------------------------------------|----------------------|------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | |
| * Adrenal Medulla | Hyperplasia | Mild |
| | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | |
| * Bone Marrow | Leukemia Mononuclear | |
| * Heart | Cardiomyopathy | Mild |
| | Leukemia Mononuclear | |
| | Leukemia Mononuclear | |
| * Intestine Large, Colon | | |
| [Leukemia Mononuclear TGLS = 6-8] | | |
| * Kidney | Leukemia Mononuclear | |
| | Nephropathy | Mild |
| * Liver | Basophilic Focus | |
| | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 5-6] | | |
| [Leukemia Mononuclear TGLS = 5-6] | | |
| * Lung | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-6] | | |
| * Lymph Node, Bronchial | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | |
| * Lymph Node, Mandibular | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37659

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 7-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-8]			
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
Note: TGL 9, "nodule, 4 mm dia", noted at necropsy, was variation in normal lobar morphology.			
[Basophilic Focus TGLS = 8-6]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37660

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-14]			
[Leukemia Mononuclear TGLS = 11-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-8]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Skin	Sebaceous Gl	Adenoma	
	Subcut Tiss	Fibrosarcoma	
		Hyperkeratosis	Marked
[Adenoma TGLS = 2-19]			
[Fibrosarcoma TGLS = 3-20+21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37660

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLS = 1-13]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 7-18]			
[Leukemia Mononuclear TGLS = 6-17]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

DOSE: 10 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 37661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-7]			
* Heart		Schwannoma Benign	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-7]		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37661

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

[Adenoma TGLS = 1-10]

* Stomach, Glandular

* Testes

Olfactory Epi

Pars Distalis

Interstit Cell

Artery

Inflammation

Adenoma

Mineralization

Adenoma

Inflammation

Chronic, Mild

Minimal

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 6-16]			
[Mixed Cell Focus TGLS = 5-6+17]			
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37662

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 648

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Cyst	Squamous, Mild
	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 648

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37663

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pancreas		Hyperplasia	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 1-10]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Fibrosis TGLS = 5-16]		
	[Leukemia Mononuclear TGLS = 3-14]		
	[Necrosis TGLS = 4-15]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* 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	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Testes	Artery	Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37664

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37665

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 505

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-13]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Int Lg Rectum			
Note: TGL 5, "mass, 1 x .8 cm, clear", noted at necropsy, was not apparent microscopically.			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37667

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 2-10]

Pars Distalis

Adenoma

* Prostate

Hyperplasia

Mild

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3,4-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 7-7]			
[Nephropathy TGLS = 7-7]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 7-7]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37668

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
		Cyst	Mild
* Pituitary Gland			
[Cyst TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 435

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 567

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum * Thyroid Gland

OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Adrenal Medulla [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]		Necrosis	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 7-14]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 567

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37670

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-14]

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Marked

* Pancreas

* Pituitary Gland

Pars Distalis

Leukemia Mononuclear
Adenoma
Leukemia Mononuclear

[Adenoma TGLS = 3,4-10]

* Skin Keratoacanthoma

[Keratoacanthoma TGLS = 1-15]

* Spleen Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-13]

* Testes	Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear
* Urinary Bladder		Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-10]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
		Necrosis	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 6-14]	Necrosis	Marked
	[Necrosis TGLS = 5,7-6+15]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37671

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Carcinoma TGLS = 3,4-16+18+17]		Carcinoma	
* Prostate		Hyperplasia	Minimal
* Skin [Hyperkeratosis TGLS = 1,2-20+21]		Hyperkeratosis Inflammation	Marked Chronic Active, Mild
* Spleen [Hemangiosarcoma TGLS = 8-13]		Hemangiosarcoma Hematopoietic Cell Proliferation	Moderate
* Testes [Adenoma TGLS = 9,10-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Hyperplasia	Minimal
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 3-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:50
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 245

TRT#: 3
DOSE: 10 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 37672

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 2-9]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 678

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 678

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37673

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
		Thrombosis	Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 1-10]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-14]		
	[Leukemia Mononuclear TGLS = 2-15]		
* Stomach, Forestomach		Ulcer	Moderate
		[Ulcer TGLS = 5-10]	
* Stomach, Glandular		Necrosis	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Angiectasis	Moderate
		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Moderate
[Inflammation TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37674

ORGAN AND ACCOUNTABLE SITE STATUS

Goblet Cell, Respirat Epith

Hyperplasia

Minimal

Olfactory Epi

Hyperplasia

Atypical, Marked

Olfactory Epi

Inflammation

Chronic, Mild

Inflammation

Suppurative, Minimal

* Pancreas

Atrophy

Mild

* Spleen

Fibrosis

Mild

[Fibrosis TGLS = 2-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 520

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi Glands	Atrophy Hyperplasia	Mild Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-6]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-7]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Minimal
[Basophilic Focus TGLS = 2-7]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Chronic Active, Marked
* Skin		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37676

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stom Gland			
Note: TGL 5, "focus, 1 mm dia, multiple, pale", noted at trim, was not apparent microscopically.			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Ulcer	Mild
* Testes		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37530

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Cyst Epithelial Inclusion TGLS = 4-15]		Cyst Epithelial Inclusion	
* Testes [Adenoma TGLS = 3-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 3-14]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37531

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 1-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37532

ORGAN AND ACCOUNTABLE SITE STATUS

	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
	Pars Distalis	Adenoma	
* Pituitary Gland			
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-3]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 1-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:50
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 404	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 685 HISTO: 37533
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epi	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-13]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4,5-9]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Pituitary Gland	* Thyroid Gland	
---------------------	-------------------	-----------------	--

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-1]			
* Heart		Cardiomyopathy	Mild
[Leukemia Mononuclear TGLS = 3,4-1]		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi Glands	Atrophy	Mild
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 4-13]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37535

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 2-16]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Stomach, Forestomach		Leukemia Mononuclear	
		Ulcer	Moderate
	[Ulcer TGLS = 5-15]		
* Stomach, Glandular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-15]		
* Testes	Interstitial Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Thymus
-------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
[Cardiomyopathy TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 5-15]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37536

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-16]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-10]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-14+15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7,8-13]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 4-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37537

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Skin	Sebaceous Gl	Carcinoma Keratoacanthoma	
	[Carcinoma TGLS = 3-15]		
	[Keratoacanthoma TGLS = 2-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-15]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-9]		
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Salivary Glands
-------------------------	--------------------------	-----------------	-------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Heart		Schwannoma Malignant	Metastatic (Skin)
* Kidney		Nephropathy	Minimal
		Schwannoma Malignant	Metastatic (Skin)
	[Schwannoma Malignant TGLS = 4-7]		
* Larynx		Schwannoma Malignant	Metastatic (Skin)
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Schwannoma Malignant	Metastatic (Skin)
	[Schwannoma Malignant TGLS = 3-4+5]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 5-13]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Subcut Tiss	Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37538

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 2-14+15+16]

* Testes

Interstit Cell

Adenoma

* Thymus

Schwannoma Malignant

Metastatic (Skin)

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	Fat	Necrosis	Mild
Mesentery			
[Necrosis TGLS = 2-14]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37539

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Glands

Inflammation

Suppurative, Mild

Pars Distalis

Metaplasia

Squamous, Minimal

* Testes

Interstit Cell

Adenoma

Adenoma

[Adenoma TGLS = 1-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 547

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37540

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
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Tension Lipidosis	Minimal
[Tension Lipidosis TGLS = 2-6]			
* Nose	Olfactory Epi Olfactory Epi Glands Olfactory Epi Respirat Epith Olfactory Epi	Atrophy Degeneration Hyperplasia Hyperplasia Hyperplasia Inflammation	Moderate Hyaline, Minimal Moderate Atypical, Moderate Marked Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* 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

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37542

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* 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			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Pars Distalis	Adenoma	
* Pituitary Gland			
[Adenoma TGLS = 2-10]			
* Prostate		Hyperplasia	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-6]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37544

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 8-8]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-8]		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-17]			
* Prostate		Hyperplasia	Minimal
		Inflammation	Chronic Active, Moderate
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Fibroma	
[Basal Cell Adenoma TGLS = 2-16]			
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 489

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle
--------------------------	----------------------------	-------------------

OBSERVATIONS

* Epididymis		Mesothelioma Benign	
[Mesothelioma Benign TGLS = 2-13+9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes		Mesothelioma Benign	
[Mesothelioma Benign TGLS = 1-10]			

PRIMARY CAUSE OF DEATH - Testes Mesothelioma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 630

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Degeneration	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
		Thrombosis	Moderate
[Cardiomyopathy TGLS = 2-6]			
[Thrombosis TGLS = 1-6]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 630

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37546

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Moderate
		Thrombosis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 663

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* 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	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 663

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37547

ORGAN AND ACCOUNTABLE SITE STATUS

Olfactory Epi	Hyperplasia	Atypical, Mild
Respirat Epith	Hyperplasia	Mild
Olfactory Epi	Inflammation	Chronic, Mild
	Inflammation	Suppurative, Minimal
	Leukemia Mononuclear	
Glands	Metaplasia	Squamous, Moderate
	Thrombosis	Marked
* Pituitary Gland	Adenoma	
	Leukemia Mononuclear	
[Adenoma TGLS = 3-10]		
* Seminal Vesicle	Carcinoma	
[Carcinoma TGLS = 5-14]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]		
* Stomach, Glandular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15+10]		
* Thymus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]		

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Leukemia Mononuclear	
* Bone Marrow			
[Leukemia Mononuclear TGLS = 6-15+10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37548

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 8-10]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-14+15]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy Schwannoma Benign	Mild
	[Schwannoma Benign TGLS = 2-3]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Note: TGL 4, "nodule, 5 mm dia", noted at necropsy, was normal variation in lobar morphology.		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 5-5]		
* Nose		Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
	Pars Distalis		
	[Adenoma TGLS = 2-10]		
* Prostate		Hyperplasia	Moderate
* Skin		Fibroma	
	Subcut Tiss		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37549

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-15]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1,2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

DOSE: 30 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 37550

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Minimal
		Hyperplasia	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi Glands	Atrophy	Moderate
	Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Minimal
* Pancreas		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Atrophy	Minimal
		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37551

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 3-13]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37552

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-13]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-9]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 600

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]		
* Adrenal Medulla	Hyperplasia	Minimal
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]		
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Minimal
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]		
* Intestine Large, Colon	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]		
* Intestine Small, Ileum	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]		
* Kidney	Infarct	Mild
	Leukemia Mononuclear	
	Nephropathy	Minimal
[Infarct TGLS = 6-15]		
[Leukemia Mononuclear TGLS = 6-15]		
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]		
* Lung	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 600

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37553

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-17]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-13]			
[Necrosis TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3,4-9]			
[Leukemia Mononuclear TGLS = 1-13]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 600

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37553

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3,4-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Testes Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37554

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	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Note: "Mottled, dark" lungs noted at necropsy were due to post mortem pooling of blood.			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37554

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-15]	Thrombosis	Moderate
	[Thrombosis TGLS = 7-15]		
* Kidney		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-15]	Nephropathy	Minimal
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
	Centrilobular	Hyperplasia	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 4-14]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
	[Pheochromocytoma Malignant TGLS = 5-7]	Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 4-15]	Hepatodiaphragmatic Nodule	
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 1-16+17]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37556

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 2-14]		Fibrosis	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Testes [Adenoma TGLS = 3-9]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla	* Lymph Node, Mediastinal
-------------------	---------------------------

OBSERVATIONS

* Islets, Pancreatic		Carcinoma	
* Kidney	Renal Tubule	Hyperplasia	Mild
	[Nephropathy TGLS = 2-7]	Nephropathy	Marked
* Liver		Fatty Change	Moderate
	[Fatty Change TGLS = 1-6]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
	[Hyperplasia TGLS = 6-5]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
Peritoneum		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37557

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Inflammation

Acute, Marked

Ulcer

Marked

[Ulcer TGLS = 5-13]

* Stomach, Glandular

Inflammation

Acute, Marked

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tooth

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
Note: TGL 6, "focus, 1 x .7 cm dia, pale", noted at trim, was not apparent microscopically. [Mixed Cell Focus TGLS = 4,5-15+16]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-15+16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37558

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	[Adenoma TGLS = 2-9]		
	[Atrophy TGLS = 1-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 563

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 2-6+13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* 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, Mediastinal	* Mammary Gland
-------------------------	---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Necrosis	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37560

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 615

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4+3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Nose	Olfactory Epi	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-4+3]		
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Mild
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 707 HISTO: 37562
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi Olfactory Epi Respirat Epith Glands Olfactory Epi Respirat Epith Olfactory Epi Respirat Epith	Atrophy Degeneration Degeneration Hyperplasia Hyperplasia Hyperplasia Inflammation Metaplasia	Moderate Hyaline, Mild Hyaline, Minimal Moderate Atypical, Moderate Mild Chronic, Moderate Squamous, Moderate
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
	[Adenoma TGLS = 1-10] [Leukemia Mononuclear TGLS = 1-10]		
* Prostate		Hyperplasia	Marked
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis Leukemia Mononuclear	Mild
	[Fibrosis TGLS = 7-14] [Leukemia Mononuclear TGLS = 4,6-13+14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,3-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:50

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* 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	* Thymus
-------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Mild
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLS = 3-5]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37563

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 4-15]			
* Testes		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-13+14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Minimal
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37564

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Minimal
* Pancreas		Atrophy	Mild
		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Prostate		Hyperplasia	Moderate
* Skin		Hyperplasia	Basal Cell, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
	Artery	Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37565

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 433

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Neuroblastoma	Metastatic (Nose)
* Nose	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 438

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 438

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37567

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Epithelium

Hyperplasia

Minimal

[Hyperplasia TGLS = 4-14]

Tooth

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-5]			
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
	Olfactory Epi	Neuroblastoma	
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37568

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 1-10]

Pars Distalis

Adenoma

* Prostate

Hyperplasia

Minimal

* Testes
[Adenoma TGLS = 3-9]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 3-14]	Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1]		
* Heart		Cardiomyopathy	Mild
	[Leukemia Mononuclear TGLS = 1-1]	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16]		
	[Leukemia Mononuclear TGLS = 5-17]		
	[Leukemia Mononuclear TGLS = 6-18]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37569

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 3-14]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 3-14]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 7-3+4]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 3-14]		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pancreas [Leukemia Mononuclear TGLS = 6-18]		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 6-18]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-15]		Leukemia Mononuclear	
* Stomach, Glandular		Necrosis	Mild
* Thymus [Leukemia Mononuclear TGLS = 2-15]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 677

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* 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	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
	[Cataract TGLS = 4-14]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Olfactory Epi	Neuroblastoma	
	[Neuroblastoma TGLS = 6-12]		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:51
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 441	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 677 HISTO: 37570
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell Follicular Cel	Adenoma Hyperplasia	Moderate
Tooth		Inflammation	Chronic Active, Moderate
* Trachea		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

DOSE: 30 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 613

HISTO: 37571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland	* Preputial Gland
-----------------	---------------------	-------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Thyroid Gland
--------------------------	----------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-14+8]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular	Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14+8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14+8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14+8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37571

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Minimal
		Thrombosis	Moderate
	[Leukemia Mononuclear TGLS = 2-9]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13]		
* Stom Gland			
	Note: TGL 6, "focus, .1 - .3 cm, black/multiple", noted at trim, was not apparent microscopically.		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9]		

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37572

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	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37572

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9+15]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-18]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37573

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 2-14+15+16+17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-7]			
* Larynx		Metaplasia	Squamous, Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
[Adenoma TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37574

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-10]

* Testes

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tooth

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
	Glands	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Hyperplasia	Mild
* Skin	Subcut Tiss	Lipoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37575

ORGAN AND ACCOUNTABLE SITE STATUS

[Lipoma TGLS = 1-14+15]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37576

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Prostate		Hyperplasia	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 6-15]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-14]		
	[Leukemia Mononuclear TGLS = 2-13+14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 574

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Nose	Olfactory Epi Glands	Atrophy	Mild
	Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
		Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 4-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 574

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37577

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* 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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
		Schwannoma Benign	
	[Schwannoma Benign TGLS = 1-14]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung			
	Note: TGL 2, "focus, 2 x 3 mm, pale", noted at necropsy, was not apparent microscopically.		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37578

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Inflammation

Chronic Active, Moderate

* Prostate

Hyperplasia

Mild

* Testes

Interstitial Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37432

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	* Larynx	* Lymph Node, Bronchial	* 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, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-10]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37432

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-15]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-14]			
* Lung			
Note: TGL 1, "focus, 2 mm dia, pale", noted at necropsy, was not apparent microscopically.			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:51
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 602

TRT#: 7
DOSE: 60 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 37433

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Metaplasia	Squamous, Minimal
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Preputial Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle			

OBSERVATIONS

Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-4+5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37434

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Carcinoma TGLS = 2-14]		Carcinoma	
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 632

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Nephropathy	Minimal
	Bile Duct	Hepatocellular Carcinoma Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear Necrosis	Mild
	[Hepatocellular Carcinoma TGLS = 2-13]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 632

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37435

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 1-10]		
	[Leukemia Mononuclear TGLS = 2-13]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 712

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-9]			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
[Thrombosis TGLS = 8-16]		Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16]		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-9]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 712

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37436

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-3+4]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Nose

Olfactory Epi

Atrophy

Marked

Olfactory Epi

Degeneration

Hyaline, Mild

Glands

Hyperplasia

Marked

Goblet Cell, Respirat Epith

Hyperplasia

Minimal

Olfactory Epi

Hyperplasia

Atypical, Mild

Respirat Epith

Hyperplasia

Minimal

Olfactory Epi

Inflammation

Chronic, Mild

Inflammation

Suppurative, Mild

Leukemia Mononuclear

Glands

Metaplasia

Squamous, Moderate

Respirat Epith

Metaplasia

Squamous, Mild

Thrombosis

Moderate

* Pancreas

Atrophy

Mild

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

* Preputial Gland

Leukemia Mononuclear

* Salivary Glands

Leukemia Mononuclear

* Seminal Vesicle

Leukemia Mononuclear

* Skin

Subcut Tiss

Neural Crest Tumor

[Neural Crest Tumor TGLS = 1-17]

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 4-15]

[Leukemia Mononuclear TGLS = 3-14]

* Stomach, Forestomach

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-9]

* Thymus

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 712

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37436

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
[Leukemia Mononuclear TGLS = 2-9]		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3+4]			
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
[Cardiomyopathy TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37437

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-16]			
[Leukemia Mononuclear TGLS = 11-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Glands	Metaplasia	Squamous, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-10]			
* Seminal Vesicle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 9-14]			
[Necrosis TGLS = 10-15]			
* Stomach, Glandular		Necrosis	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 8-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37437

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

[Leukemia Mononuclear TGLS = 8-9]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

INSUFFICIENT TISSUE

* Seminal Vesicle

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Globet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 3-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37438

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 6-17]			
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
[Fatty Change TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4,5-15+16]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37439

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-10]

* Skin Keratoacanthoma

[Keratoacanthoma TGLS = 1-14]

* Spleen Fibrosis Minimal
Hematopoietic Cell Proliferation Moderate

[Fibrosis TGLS = 3-6]

* Stomach, Glandular Ulcer Moderate

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 560

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* 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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 1-13]			
* Nose	Olfactory Epi Glands	Atrophy	Moderate
	Olfactory Epi	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Malformation	
[Malformation TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

- Tooth Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 560

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37440

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
	Glands	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37441

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-10]

* Testes

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-17]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-17]			
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 11-14]			
Lymph Node	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	

Note: Lymph node with no site listed was axillary node.

[Leukemia Mononuclear TGLS = 10-22]

[Leukemia Mononuclear TGLS = 8-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37442

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 1-17]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-17]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 9-16]		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Glands	Metaplasia	Squamous, Moderate
[Leukemia Mononuclear TGLS = 4-3]			
* Pancreas [Leukemia Mononuclear TGLS = 6-20]		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 6-20]		Leukemia Mononuclear	
* Prostate [Leukemia Mononuclear TGLS = 6-20]		Leukemia Mononuclear	
* Salivary Glands [Leukemia Mononuclear TGLS = 6-20]		Leukemia Mononuclear	
* Seminal Vesicle [Leukemia Mononuclear TGLS = 6-20]		Leukemia Mononuclear	
* Skin [Leukemia Mononuclear TGLS = 2-21]	Subcut Tiss	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37442

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5,12-18+19]

* Stomach, Forestomach

Leukemia Mononuclear

Ulcer

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 7-9]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-13]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-3]

* Urinary Bladder

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 671

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4+5+14+15]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:51
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 612	TRT#: 7 DOSE: 60 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 671 HISTO: 37443
ORGAN AND ACCOUNTABLE SITE STATUS			
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 4-17]		
	[Leukemia Mononuclear TGLS = 3-16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5,6-9]		
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-7]			
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-5]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 624

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37444

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pancreas		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37445

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 245

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37446

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 Small, Duodenum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Thyroid Gland
--------------------------	----------------------------	--------	-----------------

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hemangiosarcoma	

[Hemangiosarcoma TGLS = 1-13]

PRIMARY CAUSE OF DEATH

- Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 469

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Neuroblastoma	Metastatic (Nose)
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: TGL 2, "nodule, 5 mm dia", noted at necropsy, was normal variation in lobar morphology.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Neuroblastoma	Metastatic (Nose)
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Marked
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 4-11+12+13+14]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 469

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37447

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-10]

* Stomach, Forestomach

Necrosis

Minimal

* Testes

Interstit Cell

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37448

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TGL 2, "nodule, .4 cm x .7 cm", noted at necropsy, was normal variation in lobar morphology.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-17]		
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37449

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 3-15]			
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-16+9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Lymph Node, Mandibular	* 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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Carcinoma TGLS = 1-5]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-9]			
Zymbal's Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 3,4,5-13+15+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37450

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Bilateral Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Cystic, Marked
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
Note: TGL 3, "nodule, 8 mm dia x 5 mm", noted at necropsy, was normal variation in lobar morphology.			
		[Hepatocellular Adenoma TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37451

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-16+17+18]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-14]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
Note: ADENOMA IS ON SLIDE O9, NOT SLIDE 07.			
* Prostate		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37452

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1,2-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland Tooth	C Cell	Hyperplasia Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 4-6]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: TGL 3, "nodule, 5 mm dia, pale", noted at necropsy, was not apparent microscopically.			
[Hepatocellular Adenoma TGLS = 6-14]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37453

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland
[Cyst TGLS = 1-9]

Cyst

Marked

* Skin
[Fibroma TGLS = 2-15+16+17]

Subcut Tiss

Fibroma

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Marked
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37454

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Note: The "enlarged, 4.7 x 1.3 cm" spleen noted at necropsy was within normal limits microscopically.

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
Note: TGL 4, "lesion, 1-2 mm dia, dark", noted at necropsy, was not apparent microscopically. [Mixed Cell Focus TGLS = 3-14]			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37455

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Benign

[Adenoma TGLS = 2-9]

[Mesothelioma Benign TGLS = 2-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 496

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 703

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-10]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-14]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 703

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37457

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-14]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* 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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Carcinoma	
	[Carcinoma TGLS = 2-15]	Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 2-15]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Lym Node Mesen			
Note: TGL 3, "mass, .9 cm, pale", noted at necropsy, actually involved pancreas.			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37458

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Adenoma TGLS = 3-14]	Olfactory Epi	Inflammation Adenoma	Chronic, Marked
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* 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			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 419

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37460

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
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Kidney		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
[Hyperplasia TGLS = 2-10]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 399

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mandibular	* 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, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Neuroblastoma	Metastatic (Nose)
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Nose	Olfactory Epi	Atrophy	Marked
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Olfactory Epi	Neuroblastoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 526

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Minimal
Note: TGL 2, "nodule, 5 mm dia", noted at necropsy, was normal variation in lobar morphology. [Necrosis TGLS = 3-6]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 526

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37462

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Marked
* Pituitary Gland		Cyst	Moderate
	Pars Distalis	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37463

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-10]

* Prostate

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
Eye		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7+14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-16+17]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37464

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-16+17]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-9]		
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 7

SEX: Male

DAY ON TEST: 657

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

INSUFFICIENT TISSUE

- * Skin

OBSERVATIONS

- | | | | |
|-------------------------------------|-----------|-------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-1] | | | |
| Eye | Retina | Atrophy | Marked |
| | | Hemorrhage | Marked |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-1] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Infarct | Mild |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| [Infarct TGLS = 7-7] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Regeneration | Mild |
| [Leukemia Mononuclear TGLS = 5-6] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 7

SEX: Male

DAY ON TEST: 657

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37465

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 6-10]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
	[Fibrosis TGLS = 3-15]		
	[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 707

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 6-7]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 5-6]		
	[Degeneration TGLS = 7-6]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 707

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37466

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Minimal
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Hyperplasia	Minimal
* Skin		Hyperplasia	Squamous, Mild
[Hyperplasia TGLS = 9-14]			
* Spleen		Leukemia Mononuclear	
		Thrombosis	Moderate
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
* Pancreas		Adenoma	
[Adenoma TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37467

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 539

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 3-5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 5-15]		
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37469

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Marked
* Pancreas		Basophilic Focus	
[Basophilic Focus TGLS = 5-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37470

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi Glands	Inflammation	Chronic, Moderate
* Pituitary Gland		Metaplasia	Squamous, Marked
		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
[Adenoma TGLS = 4-9]			
[Atrophy TGLS = 3-9]			
* Urinary Bladder	Transit Epithe	Papilloma	
[Papilloma TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 552

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Moderate
[Fatty Change TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 552

HISTO: 37471

ORGAN AND ACCOUNTABLE SITE STATUS

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

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, 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, Mandibular	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Foreign Body	
		Inflammation	Granulomatous, Moderate
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Mild
* Testes		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

DOSE: 60 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 572

HISTO: 37472

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2,5-14+15]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37473

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland [Hyperplasia TGLS = 3-10X]	Pars Distalis	Hyperplasia	Moderate
* Testes [Adenoma TGLS = 4-9]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
	Duct	Cyst	Marked
[Cyst TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-14]			
* Testes	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37474

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Nose Respirat Epith Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 527

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-5]			
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 527

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37475

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+4]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Nose	Olfactory Epi Glands	Atrophy	Marked
	Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Mild
[Necrosis TGLS = 6-15]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Degeneration	Cystic, Minimal
Note: TGL 3, "focus, 2.5 cm dia x 1.5 cm, pale", noted at necropsy, was not apparent microscopically.			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14+15+16+17]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37476

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 600

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 3-13]		
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 6-6]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 600

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37477

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 7-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Heart Atrium Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Spleen	* Stomach, Glandular
* Trachea			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus
-------------------------	---------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Int Lg Colon			
Note: Dilated colon noted at necropsy was within normal limits microscopically.			
* Kidney		Infarct Inflammation	Moderate Suppurative, Marked
[Infarct TGLS = 4-7]			
* Liver		Fatty Change Syncytial Alteration	Mild Mild
* Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
* Nose	Respirat Epith Olfactory Epi Olfactory Epi Glands Olfactory Epi Respirat Epith Olfactory Epi Glands Respirat Epith	Adenoma Atrophy Degeneration Hyperplasia Hyperplasia Hyperplasia Inflammation Metaplasia Metaplasia	Moderate Hyaline, Mild Moderate Atypical, Moderate Mild Chronic, Marked Squamous, Mild Squamous, Minimal
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37478

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Inflammation	Chronic Active, Moderate
* Skin		Hyperkeratosis	Mild
* Stomach, Forestomach		Ulcer	Mild
* Testes		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder [Hyperplasia TGLS = 3-13]	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 608

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 608

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37479

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-13]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-9]	Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 1-9]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland
-------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Artery	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 8-14]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Marked
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37480

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-10]	Olfactory Epi Pars Distalis	Inflammation Adenoma	Chronic, Moderate
* Skin [Adenoma TGLS = 3-15]	Sebaceous Gl	Adenoma	
* Spleen [Fibrosis TGLS = 5-6] [Leukemia Mononuclear TGLS = 3-15]		Fibrosis Leukemia Mononuclear	Mild
* Testes		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-6]			
* Kidney		Nephropathy	Minimal
* Larynx		Metaplasia	Squamous, Moderate
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 705

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Osteopetrosis	Mild
* Brain		Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Focal, Moderate
[Vacuolization Cytoplasmic TGLS = 2-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Osteopetrosis	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-10]			
* Salivary Glands		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Cyst	Moderate
		Polyp Stromal	
[Cyst TGLS = 3-10]			
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	Marked
		Granulosa-Theca Tumor Malignant	
	[Cyst TGLS = 1-13]		
	[Granulosa-Theca Tumor Malignant TGLS = 2-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Ovary		Inflammation	Granulomatous, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Mild
* Brain			
Note: TGLs 8 and 9 were actually pituitary adenoma that had pressed up into the brain, and were diagnosed under pituitary gland.			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-14]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3,8,9-10+1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37390

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 5-6]

[Leukemia Mononuclear TGLS = 3,8,9-10+1]

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Inflammation	Chronic Active, Moderate
[Fibroadenoma TGLS = 2-15+16+17]			
* Pancreas		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Clitoral Gland	Bilateral	Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 3, "nodule, 2 mm dia", noted at trim, was normal variation in lobar morphology.			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Bilateral	Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 679

HISTO: 37393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 4-10]			
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 4-17+6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-17+6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

SEX: Female

DAY ON TEST: 679

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37393

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Moderate
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-17+6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-10]		
* Skin	Epidermis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 9-16]		
* Stomach, Glandular		Necrosis	Mild
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLS = 8-15]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 6-10]		

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
		Thrombosis	Moderate
	[Leukemia Mononuclear TGLS = 3-6]		
	[Thrombosis TGLS = 3-6]		
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Popliteal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-16]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37394

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-15]			
* Nose		Thrombosis	Marked
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Stomach, Forestomach		Inflammation	Acute, Mild
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 8-14]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Thyroid Gland	Follicular Cel C Cell	Carcinoma	
		Hyperplasia	Mild
[Carcinoma TGLS = 2-3]			

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 676

HISTO: 37395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
		Thrombosis	Mild
* Bone		Osteopetrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-14]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-10]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-10]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: CONTROL

DISP: Natural Death

HISTO: 37395

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-10]		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 7-13]	Fat	Necrosis	Mild
* Pituitary Gland [Adenoma TGLS = 3-10] [Leukemia Mononuclear TGLS = 7-13]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear Necrosis	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus [Polyp Stromal TGLS = 6-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 602

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Heart		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-13]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 602

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37396

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 5-7]		Degeneration	Cystic, Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney [Nephropathy TGLS = 6-7]		Nephropathy	Marked
* Liver [Mixed Cell Focus TGLS = 4-6+16]		Basophilic Focus Fatty Change Mixed Cell Focus Necrosis	Mild Mild
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
* Mammary Gland [Inflammation TGLS = 1,2-9+14+15]		Fibroadenoma Inflammation	Chronic Active, Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37397

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
	Cornea	Cataract	Marked
	[Cataract TGLS = 2-13]	Infiltration Cellular	Polymorphnuclr, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
	[Inflammation TGLS = 4-5]	Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-14]	Fibroadenoma	
	[Fibroadenoma TGLS = 3-15]		
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-16]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
[Angiectasis TGLS = 3-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Marked
	[Cataract TGLS = 2-13]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Mild
	[Carcinoma TGLS = 5-15]		
	[Nephropathy TGLS = 7-7]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Note: TGL 10, "nodule, 3 x 5 mm," noted at trim, was not apparent microscopically.		
	[Basophilic Focus TGLS = 8-16]		
	[Hepatodiaphragmatic Nodule TGLS = 9-17]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 6-5]		
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37401

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-14]

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 120

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 677

HISTO: 37402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Marked
* Adrenal Medulla		Necrosis	Marked
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Basophilic Focus	
	[Basophilic Focus TGLS = 4-6]	Necrosis	Mild
* Ovary		Granulosa Cell Tumor Malignant	
	[Granulosa Cell Tumor Malignant TGLS = 6-9]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 5-13]	Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 7-10]		

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 713

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Brain		Thrombosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Parathyroid Gland
* Skin	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Thrombosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Basophilic Focus Leukemia Mononuclear Necrosis	Minimal
	Centrilobular		
	[Basophilic Focus TGLS = 2-6]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Mild
	[Leukemia Mononuclear TGLS = 3-4+5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi Respirat Epith	Degeneration Degeneration	Hyaline, Minimal Hyaline, Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37404

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 123

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 6-16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-10]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Hemorrhage	Mild
	Fat	Necrosis	Mild
	[Hemorrhage TGLS = 6-13]		
	[Necrosis TGLS = 7-14]		
* Nose		Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37406

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 4-9]		Cyst	Minimal
* Pituitary Gland [Hyperplasia TGLS = 1-10]	Pars Distalis	Hyperplasia	Mild
* Spleen [Leukemia Mononuclear TGLS = 1-10]		Leukemia Mononuclear	
* Stomach, Glandular [Necrosis TGLS = 5-10]		Necrosis	Minimal
* Thymus [Leukemia Mononuclear TGLS = 1-10]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
--------------------------	---------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: TGL 1, "eye, bilateral, enlarged", noted at necropsy, was not apparent microscopically. [Cataract TGLS = 2-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 519

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37409

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
Note: TGL 4, "nodule, 5 mm dia" noted at necropsy, was not apparent microscopically.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 5-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 2-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 7-13]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3,5-16+17]			
* Ovary		Granulosa Cell Tumor Malignant	
[Granulosa Cell Tumor Malignant TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37410

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 572

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 572

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37411

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Thrombosis	Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 1-9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Osteopetrosis	Minimal
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
	[Cataract TGLS = 2-13]		
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 7-6]		
* Liver		Basophilic Focus	
	Centrilobular	Necrosis	Moderate
	[Basophilic Focus TGLS = 3,4-6]		
	[Necrosis TGLS = 3,4-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 8-14]		
* Nose		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen			
	Note: "Small" spleen noted at necropsy was within normal limits microscopically.		
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37412

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Necrosis	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 509

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
[Angiectasis TGLS = 2-6]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 690

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
Note: TGL 6, "nodule, 6 x 5 mm", noted at necropsy, was variation in normal lobar morphology. [Basophilic Focus TGLS = 3-6] [Mixed Cell Focus TGLS = 4,5-13+6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-15]	
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 8-10]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-10]	
* Thyroid Gland	C Cell	Carcinoma	
		[Carcinoma TGLS = 2-3]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
		Regeneration	Mild
		[Leukemia Mononuclear TGLS = 4-6]	
		[Mixed Cell Focus TGLS = 2-6]	
		[Regeneration TGLS = 3-13]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37416

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-10]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 6-6]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-18]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15+16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 725

DOSE: CONTROL

DISP: Natural Death

HISTO: 37418

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-18]			
* Nose	Olfactory Epi Respirat Epith	Degeneration Degeneration	Hyaline, Minimal Hyaline, Minimal
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-18]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-10]			
* Skin	Subcut Tiss	Hemangioma	
[Hemangioma TGLS = 2-16]			
* Spleen		Fibrosis Leukemia Mononuclear Necrosis	Moderate Moderate
[Leukemia Mononuclear TGLS = 9-14]			
[Necrosis TGLS = 5-13]			
* Stomach, Forestomach		Ulcer	Mild
[Ulcer TGLS = 7-19]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone		Osteopetrosis	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 684

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-13]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-14]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Basophilic Focus	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 604

DOSE: CONTROL

DISP: Natural Death

HISTO: 37424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Bone

* Bone Marrow

* Brain

* Clitoral Gland

* Esophagus

Eye

* Heart

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Islets, Pancreatic

* Kidney

* Larynx

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Mammary Gland

* Nose

* Ovary

* Pancreas

* Parathyroid Gland

* Salivary Glands

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Urinary Bladder

* Uterus

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Lymph Node, Mediastinal

* Thymus

* Thyroid Gland

* Trachea

OBSERVATIONS

* Liver

Basophilic Focus

[Basophilic Focus TGLS = 2-13]

* Lung

Alveolus

Infiltration Cellular

Histiocyte, Mild

Inflammation

Chronic Active, Minimal

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-14]			
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 5-5]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
-------------------------	--------------------------	---------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Bone		Osteopetrosis	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-7]			
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-7]			
[Clear Cell Focus TGLS = 2-7]			
* Lung	Bronchiole	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
[Osteopetrosis TGLS = 3-14]			
* Bone Marrow		Leukemia Mononuclear	
Eye	Cornea	Infiltration Cellular	Polymorphnuclr, Minimal
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 5-6]			
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Fatty Change TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37427

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 11-16]	Fat	Necrosis	Mild
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland [Hyperplasia TGLS = 10-10]	Pars Distalis	Thrombosis Hyperplasia	Moderate Mild
* Spleen [Leukemia Mononuclear TGLS = 8-13]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 12-10]		Polyp Stromal	
Zymbal's Gland [Carcinoma TGLS = 9-15]		Carcinoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		
CONTRIBUTORY CAUSE OF DEATH	- Zymbal's Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:51

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Fibroadenoma TGLS = 4-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-14]			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 37430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-15]			
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 1-10]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 625

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 37431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland
---------------------------	---------------------

INSUFFICIENT TISSUE

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Mixed Cell Focus	

[Mixed Cell Focus TGLS = 4-13]

* Lung

Note: TGL 2, "focus, .1 - 1.5 cm, pale" noted at necropsy, was not apparent microscopically.

* Mammary Gland

[Fibroadenoma TGLS = 1-14+15+16]

Fibroadenoma

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37677

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Stomach, Glandular

Mineralization

Minimal

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 581

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3+4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Minimal
	Olfactory Epi	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 581

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37678

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Leukemia Mononuclear TGLS = 3-4+5]	Respirat Epith	Metaplasia Leukemia Mononuclear	Squamous, Mild
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 5-13] [Necrosis TGLS = 6-13]		Leukemia Mononuclear Necrosis	Moderate
* Thymus [Leukemia Mononuclear TGLS = 5-13]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear;Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37679

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, Mandibular	* 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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-15]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37679

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 4-6]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Liver		Fatty Change	Moderate
	Centrilobular	Leukemia Mononuclear	
[Fatty Change TGLS = 6-6]		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37680

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi		Hyperplasia	Atypical, Mild
	Olfactory Epi		Inflammation	Chronic, Mild
	Respirat Epith		Metaplasia	Squamous, Mild
			Thrombosis	Mild
* Ovary			Cyst	Mild
	[Cyst TGLS = 5-9]			
* Pituitary Gland	Pars Distalis		Hyperplasia	Marked
	[Hyperplasia TGLS = 3-10]			
* Spleen			Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]			
* Stomach, Forestomach			Leukemia Mononuclear	
* Stomach, Glandular			Leukemia Mononuclear	
* Thymus			Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]			
* Thyroid Gland	C Cell		Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Moderate Mild
[Degeneration TGLS = 3-7]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 1,4-14+9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-15]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-6+18]		Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37682

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-14+15]		
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 7-10]		
	[Leukemia Mononuclear TGLS = 1,2-14+15]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-16+17]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-16+17]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37683

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-15]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Thymus
--------------------------	----------

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Clitoral Gland		Adenoma	
		Carcinoma	
	[Carcinoma TGLS = 2-14+9]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37684

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 609

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

Eye	Retina	Atrophy	Marked
		Cataract	Marked
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 3-14]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLS = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 609

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37685

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Hemorrhage TGLS = 4-15]	Subcut Tiss	Hemorrhage	Moderate
--------------------------------------	-------------	------------	----------

* Thyroid Gland	C Cell	Hyperplasia	Minimal
-----------------	--------	-------------	---------

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Hyperplasia
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 665

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6+13]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,5-17+16]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,5-17+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 665

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37686

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Leukemia Mononuclear TGLS = 3,5-17+16]		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 6-15] [Leukemia Mononuclear TGLS = 4-14]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 4-14]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4+5]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37687

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith Glands	Degeneration Hyperplasia	Hyaline, Mild Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Leukemia Mononuclear Metaplasia	Squamous, Mild
	[Leukemia Mononuclear TGLS = 1-13]		
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
* Pancreas		Atrophy	Minimal
	[Leukemia Mononuclear TGLS = 5-14]	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLS = 3-10]	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-10]		
* Stomach, Glandular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-13]		
* Urinary Bladder		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-13]		

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 577

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mandibular	* 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, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-13+14]			
* Nose	Olfactory Epi Glands	Atrophy	Mild
	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
* Pituitary Gland	Olfactory Epi Pars Distalis	Inflammation	Chronic, Mild
[Adenoma TGLS = 4-10]		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 663

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 5-6]		
* Kidney	Renal Tubule	Necrosis	Mild
* Liver		Basophilic Focus	
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]	Necrosis	Moderate
	[Necrosis TGLS = 2-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14+10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 663

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37689

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
		Thrombosis	Marked
* Pancreas	Duct	Cyst	Marked
[Cyst TGLS = 4-13]			
* Pituitary Gland		Angiectasis	Marked
[Angiectasis TGLS = 3-10]			
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
* Stomach, Glandular		Necrosis	Marked
[Necrosis TGLS = 6-14+10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 440

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 3-13]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Osteosarcoma TGLS = 5-4+5]		Osteosarcoma	Metastatic (Bone)
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Spleen		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Parathyroid Gland
------------------	-------------------------	---------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Focal, Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37691

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* 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	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Thyroid Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Kidney	Leukemia Mononuclear	
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Fatty Change	Mild
	Leukemia Mononuclear	
	Mixed Cell Focus	
	Regeneration	Moderate
[Basophilic Focus TGLS = 2-6]		
[Leukemia Mononuclear TGLS = 2-6]		
[Mixed Cell Focus TGLS = 4-13]		
[Regeneration TGLS = 5-14]		
* Lung	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4+5]		
* Lymph Node, Bronchial	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37692

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-15+16]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 4,5-17+18+6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-17+18+6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37694

ORGAN AND ACCOUNTABLE SITE STATUS

	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Minimal
* Ovary		Cyst	Minimal
[Cyst TGLS = 6-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-16]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37695

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	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Parathyroid Gland
-------------------------	---------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Brain		Neuroblastoma	Metastatic (Nose)
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4,5-13+14]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 7-11+12]			
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37696

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-10]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 4, "nodule, 4 x 7 mm", noted at trim, was normal variation in lobar morphology.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-5]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37697

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary Granulosa Cell Tumor Malignant

[Granulosa Cell Tumor Malignant TGLS = 3-5]

* Stomach, Glandular

Mineralization

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* 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, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
[Angiectasis TGLS = 5-14]			
* Lung	Bronchiole	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Bilateral	Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37698

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3,4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
		[Leukemia Mononuclear TGLS = 4-14]	
		[Necrosis TGLS = 4-14]	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37699

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Hyperplasia TGLS = 3-10]	Glands Pars Distalis	Metaplasia Hyperplasia	Squamous, Mild Marked
* Spleen [Leukemia Mononuclear TGLS = 3-10]		Leukemia Mononuclear	
* Thyroid Gland	C Cell C Cell	Carcinoma Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, 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		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37700

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37701

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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37701

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Spleen		Hemorrhage	Mild
[Hemorrhage TGLS = 5-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adren Cortex			
Note: TGL 7, "enlarged, 6 mm dia" noted at necropsy, was not apparent microscopically.			
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-18]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Hepatocellular Carcinoma	Metastatic (Liver)
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	
Note: TGL 8, "nodule, 3 mm dia", and TGL 9, "nodule, 4 x 5 cm", both noted at trim, were normal variations in hepatic lobar morphology.			
[Hepatocellular Carcinoma TGLS = 2-15]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 3-4+5+13+14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-4+5+13+14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37702

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Hepatocellular Carcinoma	Metastatic (Liver)
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Hepatocellular Carcinoma	Metastatic (Liver)
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 581

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	* Thyroid Gland
--------------------------	----------------------------	----------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 581

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37703

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Spleen		Hemorrhage	Marked
[Hemorrhage TGLS = 4-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-16]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-14+15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 625

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-13+6]	Necrosis	Mild
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-13+6]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 5-14]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 625

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37705

ORGAN AND ACCOUNTABLE SITE STATUS

Olfactory Epi

Inflammation

Chronic, Mild

Inflammation

Suppurative, Minimal

* Ovary

Leukemia Mononuclear

Note: TGL 4, "cyst, .3 cm dia, clear" noted at necropsy, was not apparent microscopically.

[Leukemia Mononuclear TGLS = 5-14]

* Pancreas

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-14]

* Pituitary Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 509

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37707

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, Bronchial	* 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, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-14]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-14]			
[Fibroadenoma TGLS = 5-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37707

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 602

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus
------------------	-------------------------	---------------------------	----------

AUTO PRECLUDES DIAG.

* Thyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Necrosis	Moderate
Note: "Nodule, .6 x .4 cm" noted at necropsy was normal variation of lobar morphology. [Necrosis TGLS = 6-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Thymus
---------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37709

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Moderate
		Leukemia Mononuclear	
	[Cyst TGLS = 5,6-9]		
	[Leukemia Mononuclear TGLS = 4-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5,6-9]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 471

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular	Necrosis	Minimal
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 471

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37710

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-13]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-13]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 635

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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
* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-13]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Bilateral	Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
* Mammary Gland [Galactoceles TGLS = 3-14]		Galactoceles	Mild
* Nose	Olfactory Epi Olfactory Epi Respirat Epith Glands Goblet Cell, Respirat Epith Olfactory Epi Olfactory Epi	Atrophy Degeneration Degeneration Hyperplasia Hyperplasia Hyperplasia Inflammation	Minimal Hyaline, Mild Hyaline, Minimal Mild Minimal Atypical, Mild Chronic, Mild
* Ovary [Cyst TGLS = 2-9]		Cyst	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37712

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 574

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 2-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 622

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Mild

Note: TGL 6, "nodule, 3x4 mm", noted at trim, was normal variation in lobar morphology.

[Basophilic Focus TGLS = 4-6]

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,3,5-14+15+16]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-7]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 518

DOSE: 10 PPM

DISP: Natural Death

HISTO: 37717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi Glands	Atrophy	Mild
	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
[Angiectasis TGLS = 6-15]			
[Basophilic Focus TGLS = 5-6+14]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 3-5]			
[Inflammation TGLS = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37718

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Basophilic Focus TGLS = 1-16]		Inflammation Basophilic Focus	Suppurative, Mild
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

DOSE: 10 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 37719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 4-5]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Ovary		Cyst	Moderate
		Granulosa Cell Tumor Malignant	
	[Cyst TGLS = 3-9]		
	[Granulosa Cell Tumor Malignant TGLS = 1-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37719

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 721

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Skin
* Trachea			

OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 12-18]		Leukemia Mononuclear	
* Adrenal Medulla [Leukemia Mononuclear TGLS = 12-18]		Hyperplasia Leukemia Mononuclear	Mild
* Bone [Osteopetrosis TGLS = 8-12]		Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain [Leukemia Mononuclear TGLS = 8-12]		Leukemia Mononuclear	
* Clitoral Gland [Leukemia Mononuclear TGLS = 8-12]		Leukemia Mononuclear	
* Heart [Leukemia Mononuclear TGLS = 8-12]		Leukemia Mononuclear	
* Intestine Large, Colon [Leukemia Mononuclear TGLS = 12-18]		Leukemia Mononuclear	
* Intestine Small, Ileum [Leukemia Mononuclear TGLS = 12-18]		Leukemia Mononuclear	
* Kidney [Leukemia Mononuclear TGLS = 8-12]		Leukemia Mononuclear Nephropathy	Minimal
* Larynx		Leukemia Mononuclear	
* Liver		Angiectasis Basophilic Focus	Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 344

TRT#: 4

DOSE: 10 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 721

HISTO: 37720

ORGAN AND ACCOUNTABLE SITE STATUS

	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4+5]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-16]			
[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-18]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-18]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-20]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-18]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Mild
[Leukemia Mononuclear TGLS = 9-17]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 721

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37720

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-13]			
* Parathyroid Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Moderate
[Hyperplasia TGLS = 7-10]			
[Leukemia Mononuclear TGLS = 7-10]			
* Salivary Glands		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
Skeletal Muscle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Stomach, Forestomach		Leukemia Mononuclear Ulcer	Moderate
[Leukemia Mononuclear TGLS = 13-19]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-20]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Thyroid Gland	C Cell	Hyperplasia Leukemia Mononuclear Leukemia Mononuclear	Mild
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Minimal
		Hypertrophy	Mild
[Adenoma TGLS = 3-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Mild
[Cyst TGLS = 4-7]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-16]			
Mesentery	Fat	Inflammation	Mild
[Inflammation TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37721

ORGAN AND ACCOUNTABLE SITE STATUS

Olfactory Epi

Hyperplasia

Atypical, Mild

Olfactory Epi

Inflammation

Chronic, Minimal

Inflammation

Suppurative, Mild

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 5-10]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 503

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 3-7]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 503

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37722

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-13]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-13]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 6-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4,5-13+6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-5]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 7-12]			
* Ovary		Inflammation	Granulomatous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37723

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 37724

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]	Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 4-14]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-13]		
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Necrosis	Minimal
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-13]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-13]		

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
	[Fibroadenoma TGLS = 1-14]		
	[Galactocele TGLS = 2-9+15]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 37725

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-10]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
Eye	Retina	Atrophy	Mild
		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 3-6]	
		[Eosinophilic Focus TGLS = 3-6]	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lung		Leukemia Mononuclear	
		Note: TGL 4, "focus, .1 x 1 cm dia, linear, pale", noted at trim, was not apparent microscopically.	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37579

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-15]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-15]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Hypertrophy	Cystic, Mild Mild Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi Olfactory Epi Glands Goblet Cell, Respirat Epith Olfactory Epi Respirat Epith Olfactory Epi Glands	Atrophy Degeneration Hyperplasia Hyperplasia Hyperplasia Hyperplasia Inflammation Metaplasia Cyst	Moderate Hyaline, Moderate Moderate Minimal Atypical, Moderate Minimal Chronic, Mild Squamous, Moderate Mild
* Ovary			
[Cyst TGLS = 1-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 2-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Kidney	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37582

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-14]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Metaplasia	Squamous, Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
[Inflammation TGLS = 2,3-5+4]			
* Nose	Olfactory Epi Olfactory Epi Respirat Epith Glands Goblet Cell, Respirat Epith Olfactory Epi Olfactory Epi	Atrophy Degeneration Degeneration Hyperplasia Hyperplasia Hyperplasia Inflammation	Mild Hyaline, Moderate Hyaline, Mild Moderate Minimal Atypical, Mild Chronic, Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-9]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37583

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* 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

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
Note: TGL 5, "nodule, 6 mm dia" noted at necropsy, was normal variation in lobar morphology. [Hepatodiaphragmatic Nodule TGLS = 6-14]			
* Lymph Node, Mediastinal		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-16]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37584

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

[Adenoma TGLS = 4-10]

Olfactory Epi

Pars Distalis

Inflammation

Adenoma

Chronic, Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-14]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Glands	Metaplasia	Squamous, Marked
* Ovary		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37585

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-9]

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

[Hyperplasia TGLS = 1-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 512

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Glioma Malignant	
[Glioma Malignant TGLS = 3-1]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-1]		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-6+13]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Liver Basophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	Mediastinum	Mesothelioma Benign	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37587

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 1-9]	Glands	Metaplasia Cyst	Squamous, Mild Marked
* Pituitary Gland [Hyperplasia TGLS = 3-10]	Pars Distalis	Hyperplasia	Moderate
* Spleen [Leukemia Mononuclear TGLS = 3-10]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* 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, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 671

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Centrilobular	Leukemia Mononuclear	
	[Basophilic Focus TGLS = 1-6]		
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4+5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 671

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37589

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Marked
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4+5]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-13]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 5-14]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-13]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 685

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: TGL 4, "nodule, 3 x 4 mm", noted at necropsy, was normal variation in lobar morphology.			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLS = 3-15]		
	[Fibroadenoma TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 685

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37590

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fatty Change	Moderate
[Angiectasis TGLS = 4-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37591

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin
[Fibroma TGLS = 3-14+15+16]

Subcut Tiss

Fibroma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Clear Cell Focus TGLS = 5-14]		
	[Hepatodiaphragmatic Nodule TGLS = 5-14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 4-5]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37592

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Skin

Basal Cell Adenoma

[Basal Cell Adenoma TGLS = 3-15]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | Eye | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum

OBSERVATIONS

- | | | | |
|----------------------------------|-----------------------------|------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Cystic, Mild |
| * Clitoral Gland | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Mixed Cell Focus | |
| [Mixed Cell Focus TGLS = 3-13] | | | |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLS = 2-14] | | | |
| * Nose | Olfactory Epi | Atrophy | Mild |
| | Olfactory Epi | Degeneration | Hyaline, Mild |
| | Respirat Epith | Degeneration | Hyaline, Mild |
| | Glands | Hyperplasia | Mild |
| | Goblet Cell, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Atypical, Mild |
| | Respirat Epith | Hyperplasia | Mild |
| | Olfactory Epi | Inflammation | Chronic, Mild |
| | | Inflammation | Suppurative, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37593

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Metaplasia	Squamous, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 587

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteopetrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
		[Cataract TGLS = 3-16]	
* Kidney		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-16]	
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
		Regeneration	Mild
		[Basophilic Focus TGLS = 5-6]	
		[Eosinophilic Focus TGLS = 6-13]	
		[Leukemia Mononuclear TGLS = 5-6]	
		[Mixed Cell Focus TGLS = 7-15]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-4]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 6

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 587

HISTO: 37594

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 8-4]			
[Galactocele TGLS = 1-17]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-17]			
* Pancreas		Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 587

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 7,8-6+13]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 1-15]			
[Fibroadenoma TGLS = 2-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-16]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 587

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37595

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 3-9]		Cyst	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 5-10]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-5]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37596

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 440

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-14+9]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 699

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-6+13]	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 699

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37598

ORGAN AND ACCOUNTABLE SITE STATUS

Respirat Epith	Degeneration	Hyaline, Minimal
Glands	Hyperplasia	Moderate
Goblet Cell, Respirat Epith	Hyperplasia	Minimal
Olfactory Epi	Hyperplasia	Atypical, Mild
Respirat Epith	Hyperplasia	Minimal
Olfactory Epi	Inflammation	Chronic, Moderate
	Inflammation	Suppurative, Minimal
Glands	Metaplasia	Squamous, Moderate
Respirat Epith	Metaplasia	Squamous, Mild

* Pancreas
[Leukemia Mononuclear TGLS = 3-15]

* Pituitary Gland
[Leukemia Mononuclear TGLS = 3-15]

* Spleen
[Leukemia Mononuclear TGLS = 3-15]

* Urinary Bladder
[Leukemia Mononuclear TGLS = 3-15]

* Uterus
[Leukemia Mononuclear TGLS = 3-15]

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Uterus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 440

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

OBSERVATIONS

* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Moderate
Tooth		Malformation	

PRIMARY CAUSE OF DEATH

- Tooth Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Clitoral Gland
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Ovary
* Spleen
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mediastinal
* Pancreas
* Stomach, Forestomach

* Bone Marrow
* Eye
* Intestine Small, Duodenum
* Larynx
* Lymph Node, Mesenteric
* Salivary Glands
* Thymus

* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Bronchial
* Mammary Gland
* Skin
* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex
* Heart
* Kidney
* Liver

Hyperplasia
Cardiomyopathy
Nephropathy
Angiectasis
Basophilic Focus
Eosinophilic Focus

Mild
Minimal
Mild
Minimal

[Angiectasis TGLS = 3-14]

* Lung
* Nose

Alveolar Epith
Respirat Epith
Olfactory Epi
Olfactory Epi
Glands
Goblet Cell, Respirat Epith
Olfactory Epi
Olfactory Epi
Glands
Pars Distalis

Hyperplasia
Adenoma
Atrophy
Degeneration
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Hyperplasia

Minimal
Moderate
Hyaline, Moderate
Moderate
Mild
Atypical, Mild
Chronic, Moderate
Squamous, Mild
Mild

[Hyperplasia TGLS = 1-10]

* Stomach, Glandular

Hyperplasia

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37600

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-15]		
* Thyroid Gland	C Cell	Carcinoma
[Carcinoma TGLS = 4-3]		
* Uterus		Polyp Stromal
[Polyp Stromal TGLS = 4-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-5]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pancreas		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37601

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Osteopetrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-5]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Angiectasis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Minimal
[Cyst TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37603

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* 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, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3,4-5+4]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 615

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1,2-9]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-9]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-9]			
* Larynx		Metaplasia	Squamous, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 615

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37605

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Thrombosis	Minimal
* Ovary		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 7-13]		
	[Necrosis TGLS = 8-14]		
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 11-16]		
* Stomach, Glandular		Ulcer	Mild
	[Ulcer TGLS = 10-15]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 4-6]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: TGL 1, "nodule, 4mm dia", noted at necropsy, was normal variation in lobar morphology.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37606

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Necrosis	Mild
[Hepatocellular Carcinoma TGLS = 3-15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37607

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 3-5]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary GI			
Note: TGL 7, "mass, 2 cm dia x 1.5 cm, pale, firm", noted at necropsy, was normal mammary tissue.			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37608

ORGAN AND ACCOUNTABLE SITE STATUS

	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Olfactory Epi	Neuroblastoma	
* Ovary		Cyst	Moderate
[Cyst TGLS = 6-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 4-14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* 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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Minimal
Eye	Retina	Atrophy	Marked
		Cataract	Marked
	[Cataract TGLS = 4-13]		
* Heart		Cardiomyopathy	Minimal
		Schwannoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 7-6]		
	[Hepatodiaphragmatic Nodule TGLS = 6-17]		
* Lung	Alveolar Epith	Hyperplasia	Marked
	[Hyperplasia TGLS = 8-5]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3-14+15+16]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37609

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Ovary		Cyst	Mild
[Cyst TGLS = 2,3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate
* Ovary		Cyst	Mild
[Cyst TGLS = 2-9]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37611

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Atrophy	Mild
	Bile Duct	Basophilic Focus	
	[Atrophy TGLS = 2-14]	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 6-5]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 7-16]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 5-15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate
* Ovary		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37612

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-9]

* Pancreas

Atrophy

Moderate

* Parathyroid Gland

Hyperplasia

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37613

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	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Note: TGL 3, "nodule, .4 cm x .3 cm", noted at necropsy, was not apparent microscopically.			
* Lung		Inflammation	Chronic Active, Minimal
Note: TGL 5, "focus, .1 - 1cm x .1 cm, white, linear", noted at trim, was not apparent microscopically.			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-9]			
* Pituitary Gland	Pars Distalis	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37613

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye	Retina	Atrophy	Marked
		Cataract	Marked
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 3-6]		
* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37614

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Glands

Metaplasia

Squamous, Moderate

Angiectasis

Moderate

Pars Distalis

Hyperplasia

Mild

[Angiectasis TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-10]		
* Thymus		Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37615

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Carcinoma

[Carcinoma TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 707

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Uterus		

AUTO PRECLUDES DIAG.

Eye	* Thyroid Gland
-----	-----------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
Note: TGL 6, "nodule, 4 mm dia", noted at trim, was normal variation in lobar morphology.			
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Inflammation TGLS = 2-5]		
	[Leukemia Mononuclear TGLS = 2-5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-10]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 707

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37616

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
		Angiectasis	Marked
* Pituitary Gland			
[Angiectasis TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Stomach, Glandular		Necrosis	Moderate
[Necrosis TGLS = 7-10]			
* Urinary Bladder	Transit Epithe	Papilloma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 588

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37617

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, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 630

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Mandibular	* 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, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Inflammation TGLS = 1-5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37619

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Olfactory Epi	Inflammation Atrophy Leukemia Mononuclear	Chronic, Moderate Minimal
[Leukemia Mononuclear TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 586

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 5-6]		
* Larynx		Metaplasia	Squamous, Moderate
* Liver		Basophilic Focus	
	Centrilobular	Necrosis	Mild
	[Basophilic Focus TGLS = 5-6]		
	[Necrosis TGLS = 2-6]		
* Lung		Congestion	Chronic, Moderate
		Metaplasia	Osseous, Mild
	Note: TGL 3, "focus, 1 cm x .1 cm, pale" noted at necropsy, was not apparent microscopically.		
* Lymph Node, Mediastinal		Congestion	Moderate
	[Congestion TGLS = 4-13]		
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 586

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37620

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Mild
		Thrombosis	Minimal
* Pancreas		Atrophy	Minimal
* Uterus	Bilateral	Polyp Stromal	
Vagina		Inflammation	Suppurative, Moderate
	[Inflammation TGLS = 1-14]		

PRIMARY CAUSE OF DEATH

- Liver Basophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 581

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37621

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, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3,4-1+10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 581

HISTO: 37621

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 480

DOSE: 30 PPM

DISP: Natural Death

HISTO: 37622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Liver		Basophilic Focus	
* Lung			
Note: "Mottled" lungs noted at necropsy were due to post mortem pooling of blood.			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Neuroblastoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 6

DOSE: 30 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 653

HISTO: 37623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
Eye		Cataract	Moderate
[Cataract TGLS = 1-13]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 1-13]			
* Kidney		Infarct	Moderate
[Infarct TGLS = 7-7]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Liver		Basophilic Focus	
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 6-6]			
[Regeneration TGLS = 5-15]			
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37623

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-15]

Lymph Node	Pancreatic	Leukemia Mononuclear
* Lymph Node, Bronchial		Leukemia Mononuclear
* Lymph Node, Mandibular		Leukemia Mononuclear
* Lymph Node, Mediastinal		Leukemia Mononuclear
* Lymph Node, Mesenteric		Leukemia Mononuclear
* Mammary Gland		Fibroadenoma

[Fibroadenoma TGLS = 3-16]

* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 3-16]

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

[Adenoma TGLS = 2-10]

* Spleen		Leukemia Mononuclear	
----------	--	----------------------	--

[Leukemia Mononuclear TGLS = 4-14]

* Stom Gland
 Note: TGL 9, "focus, 1 mm dia, multiple, pale", noted at trim, was not apparent microscopically.

* Thymus		Leukemia Mononuclear	
----------	--	----------------------	--

[Leukemia Mononuclear TGLS = 4-14]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37623

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone		Osteopetrosis	Moderate
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2,3,4-14+6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16+17]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37624

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 37626

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-14]			
[Leukemia Mononuclear TGLS = 2-13]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Thymus	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 37627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 547

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 2-14]			
* Ovary		Cyst	Marked
[Cyst TGLS = 1-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
--------------------------	---------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Mild
		Regeneration	Moderate
	[Leukemia Mononuclear TGLS = 3-6]		
	[Regeneration TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 579

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37482

ORGAN AND ACCOUNTABLE SITE STATUS

Olfactory Epi
Respirat Epith
Olfactory Epi
Glands

Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Thrombosis
Leukemia Mononuclear

Atypical, Marked
Mild
Chronic, Marked
Squamous, Moderate
Marked

* Spleen

[Leukemia Mononuclear TGLS = 1-13]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
* Pancreas		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-9]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Moderate
[Infarct TGLS = 6-7]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Liver		Basophilic Focus	
	Centrilobular	Leukemia Mononuclear Necrosis	Minimal
[Basophilic Focus TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Inflammation TGLS = 8-5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37484

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-9]

* Lymph Node, Mediastinal

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-12]

* Nose

Olfactory Epi

Atrophy

Marked

Olfactory Epi

Degeneration

Hyaline, Mild

Olfactory Epi

Hyperplasia

Atypical, Mild

Respirat Epith

Hyperplasia

Mild

Olfactory Epi

Inflammation

Chronic, Mild

Respirat Epith

Metaplasia

Squamous, Mild

Olfactory Epi

Neuroblastoma

[Neuroblastoma TGLS = 9-12]

* Ovary

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-13]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-10]

* Salivary Glands

Atrophy

Mild

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

Metaplasia

Osseous, Mild

[Fibrosis TGLS = 5-14]

[Leukemia Mononuclear TGLS = 4-13]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-13]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-15]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-15]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-16]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37485

ORGAN AND ACCOUNTABLE SITE STATUS

	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Mild
* Pituitary Gland		Cyst	Mild
		Leukemia Mononuclear	
	[Cyst TGLS = 7-10]		
	[Leukemia Mononuclear TGLS = 3-16]		
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 4-14]		
	[Leukemia Mononuclear TGLS = 5-14]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Mild
[Basophilic Focus TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 2,5-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,5-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37486

ORGAN AND ACCOUNTABLE SITE STATUS

Respirat Epith	Degeneration	Hyaline, Minimal
Glands	Hyperplasia	Moderate
Olfactory Epi	Hyperplasia	Atypical, Moderate
Respirat Epith	Hyperplasia	Moderate
Olfactory Epi	Inflammation	Chronic, Marked
Glands	Metaplasia	Squamous, Mild
Respirat Epith	Metaplasia	Squamous, Moderate

* Pancreas

[Leukemia Mononuclear TGLS = 1-14]

Leukemia Mononuclear

* Pituitary Gland

[Leukemia Mononuclear TGLS = 1-14]

Leukemia Mononuclear

* Spleen

[Leukemia Mononuclear TGLS = 6-13]

Leukemia Mononuclear

* Thymus

[Leukemia Mononuclear TGLS = 6-13]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 3-5]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Olfactory Epi	Inflammation	Chronic, Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-10]		
* Stomach, Glandular		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37487

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:52

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* 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, Mediastinal
-------------------------	---------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 1, "nodule, .5 x .3 cm dia," noted at necropsy, was normal variation in lobar morphology.			
[Basophilic Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Ovary		Inflammation	Granulomatous, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Parathyroid Gland	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Basophilic Focus TGLS = 5-6]		
	[Hepatodiaphragmatic Nodule TGLS = 6-13]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
Lymph Node		Leukemia Mononuclear	
Note: Lymph node with no site listed was axillary node.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37489

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3+4]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Leukemia Mononuclear	
[Fibroadenoma TGLS = 1,3-16+15]			
[Leukemia Mononuclear TGLS = 7-17]			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,3-16+15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-10]			
[Leukemia Mononuclear TGLS = 2-10]			
* Salivary Glands		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37489

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-3]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3+4]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3+4]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3+4]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37490

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-15]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Note: TGL 2, "mass, 3.5 x 2 cm, pale", noted at necropsy, was actually mammary gland, not axillary lymph node.			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-16]			
* Nose	Olfactory Epi	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:53
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 711	TRT#: 8 DOSE: 60 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 37491
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi Glands Goblet Cell, Respirat Epith Olfactory Epi Respirat Epith Olfactory Epi	Degeneration Hyperplasia Hyperplasia Hyperplasia Hyperplasia Inflammation Leukemia Mononuclear Leukemia Mononuclear	Hyaline, Mild Moderate Minimal Atypical, Moderate Mild Chronic, Marked
* Ovary [Leukemia Mononuclear TGLS = 2-16]			
* Pituitary Gland [Adenoma TGLS = 4-10] [Leukemia Mononuclear TGLS = 4-10]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-14]		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 5-14]		Leukemia Mononuclear	
* Thyroid Gland [Adenoma TGLS = 3-3]	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-6]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 2-15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:53
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 712	TRT#: 8 DOSE: 60 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 617 HISTO: 37492
-----------------------	---------------------------------------	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 7-12+11]			
* Pancreas		Atrophy	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 3-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus
-------------------------	---------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 8

DOSE: 60 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 37493

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37494

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14+16]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Marked
* Pituitary Gland		Angiectasis	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-15+16]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37494

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cyst	Mild
[Cyst TGLS = 2-14]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37495

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Neuroblastoma	Metastatic (Nose)
* Liver		Fatty Change	Moderate
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-4]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37496

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 429

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* 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

* Clitoral Gland	* Lymph Node, Mediastinal
------------------	---------------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pituitary Gland
--------------------------	----------------------------	-------------------

OBSERVATIONS

* Brain		Neuroblastoma	Metastatic (Nose)
Eye		Cataract	Mild
[Cataract TGLS = 1-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
		Thrombosis	Moderate

PRIMARY CAUSE OF DEATH

- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2,3-15+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-17]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37498

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin
[Fibroma TGLS = 1-16]

Subcut Tiss

Fibroma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Note: TGL 3, "nodule, .4 cm x .6 cm", noted at necropsy, was normal variation in lobar morphology. [Basophilic Focus TGLS = 4-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-15]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37499

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37500

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus
-------------------------	---------------------------	----------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-13]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Minimal
	Olfactory Epi	Inflammation	Chronic, Marked
* Ovary		Cyst	Mild
[Cyst TGLS = 5-9]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus			

Note: TGL 3, "nodule, 2 x 3 mm, dark", noted at trim, was not apparent microscopically.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 111

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Nose	Olfactory Epi Glands	Atrophy	Mild
	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
		Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 3-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
Tooth		Malformation	
[Malformation TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

- Tooth Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 478

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Harderian Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-15]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:53
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 723	TRT#: 8	SEX: Female	DAY ON TEST: 478
	DOSE: 60 PPM	DISP: Moribund Sacrifice	HISTO: 37503

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
* Ovary		Cyst	Mild
[Cyst TGLS = 5-9]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 2, "nodule, 1 cm dia x .5 cm", noted at necroscopy, was normal variation in lobar morphology.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

[Hyperplasia TGLS = 1-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37504

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Thymus
-------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Leukemia Mononuclear	
Note: TGL 2, "nodule, 3 x 2 mm", noted at trim, was variation in normal lobar morphology.			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37505

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-14]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Mild Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
Note: TGL 6, "focus, 1 mm dia, pale, linear", noted at necropsy, was not apparent microscopically.			
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 3,4-17+16]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Mild
* Ovary			
Note: TGL 5, "mass, 2 x 2.5 cm, mottled, soft", noted at necropsy, was actually uterus, not ovary.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37506

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 1-14]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 5-15]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37507

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	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
-------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Brain		Neuroblastoma	Metastatic (Nose)
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-4+5]			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
[Neuroblastoma TGLS = 7-12]			
* Ovary		Cyst	Mild
[Cyst TGLS = 4-9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 5-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37507

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 8

SEX: Female

DAY ON TEST: 720

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Thyroid Gland
--------------------------	--------------------------	----------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Larynx		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 555

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-13]			
* Nose	Respirat Epith	Adenoma	
	Respirat Epith	Metaplasia	Squamous, Minimal
	Olfactory Epi	Neuroblastoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 730

TRT#: 8

SEX: Female

DAY ON TEST: 503

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 8

SEX: Female

DAY ON TEST: 601

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37511

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal	* Thymus
---------------------------	----------

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-13]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-15]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-16+17]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37512

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	Eye
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Inflammation	Acute, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Nephropathy TGLS = 6-7]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Moderate
[Basophilic Focus TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
[Regeneration TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37513

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Nose

Olfactory Epi

Atrophy

Marked

Olfactory Epi

Degeneration

Hyaline, Mild

Respirat Epith

Degeneration

Hyaline, Mild

Glands

Hyperplasia

Moderate

Olfactory Epi

Hyperplasia

Atypical, Moderate

Respirat Epith

Hyperplasia

Mild

Olfactory Epi

Inflammation

Chronic, Moderate

Respirat Epith

Metaplasia

Squamous, Mild

Thrombosis

Minimal

* Ovary

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Spleen

Leukemia Mononuclear

Necrosis

Moderate

[Leukemia Mononuclear TGLS = 3-13]

[Necrosis TGLS = 2-14]

* Stom Gland

Note: TGL 7, "focus, 1 mm dia, multiple, pale", noted at trim, was not apparent microscopically.

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-13]

PRIMARY CAUSE OF DEATH

- Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 445

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* 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
-------------------------	--------------------------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Brain		Neuroblastoma	Metastatic (Nose)
* Liver		Fatty Change	Mild
* Nose	Olfactory Epi	Atrophy	Marked
	Respirat Epith	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Mild
	Olfactory Epi	Neuroblastoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Nose Olfactory Epi Neuroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37515

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, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Salivary Glands		Adenoma	
[Adenoma TGLS = 6-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37515

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 482

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1,2-10+1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 643

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Basophilic Focus TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 643

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37517

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
	[Angiectasis TGLS = 5-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37518

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
	Glands	Metaplasia	Squamous, Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Marked
		Inflammation	Acute, Marked
	[Hyperkeratosis TGLS = 2-16]		
	[Inflammation TGLS = 1-15]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 536

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
	Centrilobular	Necrosis	Minimal
[Basophilic Focus TGLS = 7-6]			
[Fatty Change TGLS = 7-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3,4-4]			
* Lym Node Media			
Note: The "multiple, dark" lymph nodes noted at necropsy were within normal limits microscopically.			
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Neuroblastoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Skin		Inflammation	Acute, Marked
[Inflammation TGLS = 2-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 536

DOSE: 60 PPM

DISP: Moribund Sacrifice

HISTO: 37519

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
	Olfactory Epi	Neuroblastoma	
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-15+9]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Mixed Cell Focus TGLS = 3-14]		Mixed Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Atypical, Moderate
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 60 PPM

DISP: Natural Death

HISTO: 37521

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
[Inflammation TGLS = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37522

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: TGL 5, "nodule, .7 x .4 cm", noted at necropsy, was normal variation in lobar morphology.			
* Lung	Bronchiole	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Inflammation TGLS = 3-5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37523

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Atypical, Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi Glands	Inflammation	Chronic, Moderate
	Pars Distalis	Metaplasia	Squamous, Marked
* Pituitary Gland [Hyperplasia TGLS = 1-10]		Hyperplasia	Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 2-10]		Leukemia Mononuclear Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-7]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-7]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Chronic, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37524

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 745

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Marked
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Mild
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 746

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Moderate
* Ovary		Cyst	Mild
		Inflammation	Granulomatous, Marked
	[Cyst TGLS = 1-9]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Moderate
	Glands	Metaplasia	Squamous, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 3-9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37527

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 748

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mandibular
* 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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 2-5]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Moderate
	Goblet Cell, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Atypical, Moderate
	Olfactory Epi	Inflammation	Chronic, Marked
	Glands	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Naphthalene
CAS Number: 91-20-3

Date Report Requested: 10/19/2014
Time Report Requested: 13:04:53
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 748

TRT#: 8
DOSE: 60 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 37528

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Marked
	[Cataract TGLS = 1-13]		
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Note: TGL 6, "nodule, 4 mm dia", noted at necropsy, was variation in normal lobar morphology.		
	[Basophilic Focus TGLS = 5-6]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Atypical, Marked
	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 051110-02

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Naphthalene

CAS Number: 91-20-3

Date Report Requested: 10/19/2014

Time Report Requested: 13:04:53

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 37529

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Chronic, Marked
	Olfactory Epi	Neuroblastoma	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-15]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-10]		

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE